

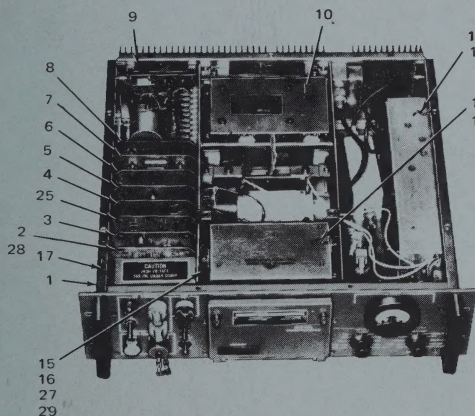
## ILLUSTRATED PARTS BREAKDOWN

# VHF/UHF TRANSMITTER

### Solid State Exciter

VHF Model 3201

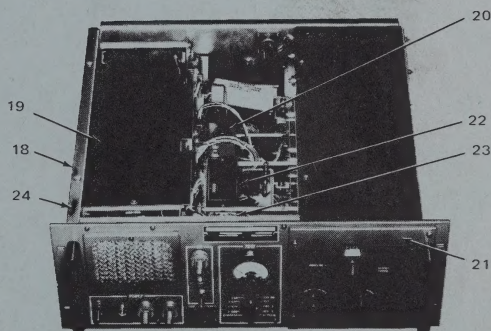
UHF Model 3202



### Linear Power Amplifier

VHF Model 3211

UHF Model 3212



DATE OF ISSUE - APRIL, 1978

CHANGED - AUGUST, 1980

AEROSPACE/OPTICAL DIVISION **ITT**

3700 E. PONTIAC ST., FORT WAYNE, IND. 46803





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## **SECTION I INTRODUCTION**

### **1-1. GENERAL.**

1-2. This Illustrated Parts Breakdown lists, illustrates, and describes assemblies, subassemblies and detail parts of the Series 3200 VHF/UHF Transmitter, Solid State Exciter Model 3201 (VHF), Model 3202 (UHF), and Linear Power Amplifier Model 3211 (VHF) and Model 3212 (UHF).

### **1-3. MANUAL ORGANIZATION AND CONTENT.**

1-4. The illustrated parts breakdown consists of the following sections: Introduction (Section I), and Group Assembly Parts List (Section II).

1-5. SECTION I, INTRODUCTION. The Introduction contains information and instructions for the use of the Illustrated Parts Breakdown.

1-6. SECTION II, GROUP ASSEMBLY PARTS LIST. The Group Assembly Parts List is divided into representative main assemblies. These main assemblies are as shown in figure 1.

1-7. Each main assembly is broken down into subassemblies, sub-subassemblies, and details thereof. Each item is arranged to indicate relationship to its next higher assembly (NHA), and is listed in order of disassembly except where the sequence of disassembly does not apply.

1-8. Formerly, the description of parts listed in the Group Assembly Parts List was indented to show relationship to the assemblies on which they are used. In this manual, however, the Group Assembly Parts List was compiled with an Electric Accounting Machine (EAM). Therefore, part descriptions appear in an even column, with a preceding "indent" code letter to indicate relationship. Examples of the EAM system are:

#### **EAM Method**

- |   |  |
|---|--|
| A | Complete Item, Main Group or Main Assembly |
| B | Assembly                                   |
| B | Attaching Parts for Assembly               |
| C | Detail Parts of Assembly                   |
| C | Subassemblies                              |
| C | Attaching Parts for Subassemblies          |
| D | Sub-subassemblies                          |
| D | Attaching Parts for Sub-subassemblies      |
| E | Detail Parts of Sub-subassemblies          |

1-9. All parts of the unit are listed except parts that have lost their identity by being permanently joined to another part (e.g., two parts welded together) and items made from bulk stock (e.g. hook-up wire).

1-10. GROUP ASSEMBLY PARTS LIST COLUMN DATA. The Group Assembly Parts List consists of six columns (see page 2-3).

1-11. The figure and index number column contains an identifying number for each part shown in each illustration. This identifying number consists of the applicable figure number separated from the index number by a hyphen. Components and assemblies that have been added are identified by the addition of a suffix letter in the index number.

1-12. Part Numbers in the part number column are either Government standard part numbers or that of ITT Aerospace/Optical Division of International Telephone and Telegraph Corp., 3700 East Pontiac Street, Fort Wayne, Indiana 46803.

1-13. The indent column contains code letters indicating item relationships to the assemblies on which they are used, as described in paragraph 1-7.

1-14. The units per assembly column indicates the number of units required per assembly, per subassembly, and per sub-subassembly as applicable. If more than one assembly is required, the total of such assemblies is shown. For detail or subassembly parts of this major assembly, the quantity required for ONE major assembly is shown. Where items are listed for reference purposes, the symbol "REF" is inserted in the units per assembly column.

1-15. The usable on code column contains coding symbols for assemblies and parts to indicate specific differences among the various equipments covered according to serial, type, or model. In addition, this column is used to differentiate between similar assemblies used on one equipment. This eliminates the necessity for more than one breakdown and illustration of the similar assemblies. In this manual, explanation of the usable on code numbers is given at the beginning of the individual parts list. Where the usable on code column is blank, the part listed is usable as a replacement on all articles covered by this manual.

1-16. USABLE ON CODE. The following codes have been assigned in this manual:

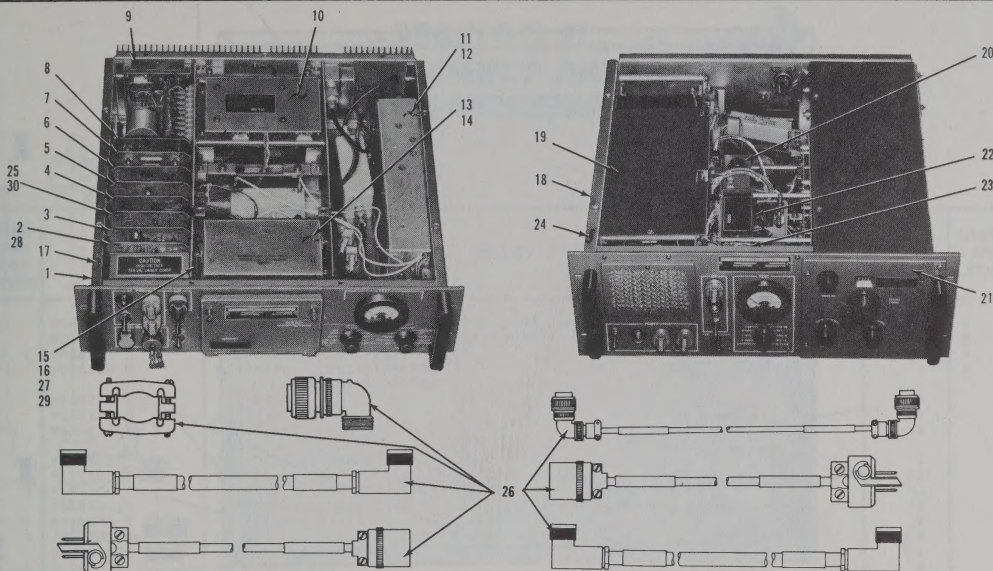
USABLE  
ON CODE

UNIT

A	Transmitter (UHF)
B	Transmitter (VHF)

Where no Usable On Code appears the assemblies or parts are applicable in both units.





INDEX NO.

DESCRIPTION

FIGURE NO.

1	Exciter, Solid State, VHF (Model 3201), UHF (Model 3202), Unit 1 . . . . .	2
2	Amplifier, Compressor, Audio, 1A1 . . . . .	3
3	Circuit Card Assembly, Keyer, Control Transfer, 1A2 . . . . .	4
4	Circuit Card Assembly, Filter Amplifier/Detector, 1A4 . . . . .	5
5	Circuit Card Assembly, Buffer, Modulator, 1A5 . . . . .	6
6	Circuit Card Assembly, Control, RF, Modulator, 1A6 . . . . .	7
7	Circuit Card Assembly, Control 1A7 . . . . .	8
8	Circuit Card Assembly, Regulator, IPS1A2 . . . . .	9
9	Heatsink, Regulator, IPS1A1 . . . . .	10
10	Power Supply, IPS1A3 . . . . .	11
11	Amplifier, Driver/Power, RF, UHF, 1A10 . . . . .	12
12	Amplifier, Driver/Power, RF, VHF, 1A10 . . . . .	13
13	Quadrupler, RF UHF, 1A9 . . . . .	14
14	Doubler, RF, VHF, 1A9 . . . . .	15
15	Oscillator, Crystal Controlled, 1A8 . . . . .	16
16	Oscillator, Crystal Controlled, 1A8 . . . . .	17
17	Frame Assembly, Exciter, VHF (Model 3201), UHF (Model 3202), Unit 1 . . . . .	18
18	Amplifier, Linear Power, VHF (Model 3211), UHF (Model 3212), Unit 2 . . . . .	19
19	Power Supply, Plate/Screen Grid, 2A4 . . . . .	20
20	Converter, AC to AC, 2A2 . . . . .	21
21	Cavity Assembly, Tuned 2A7 . . . . .	22
22	Power Supply, Control Grid/Thermal Control, 2A3 . . . . .	23
23	Buffer Amplifier/Multiplier, Electrical Instrument, 2A5 . . . . .	24
24	Frame Assembly, Amplifier, Unit 2 . . . . .	25
25	Keyer (Optional), 1A3 . . . . .	26
26	Interface Cable Kit . . . . .	27
27	DIGI CHANNEL, Oscillator/Synthesizer (Model 3503), (Optional), 1A8 . . . . .	28
28	Circuit Card Assembly, Line Amplifier, 1A1 . . . . .	29
29	Oscillator/Multiplier, 1A8 . . . . .	30
30	Circuit Card Assembly, Inboard Monitor/Keyer (Optional), 1A3 . . . . .	31

Figure 1. Transmitting Set, Radio VHF/UHF, Series 3200



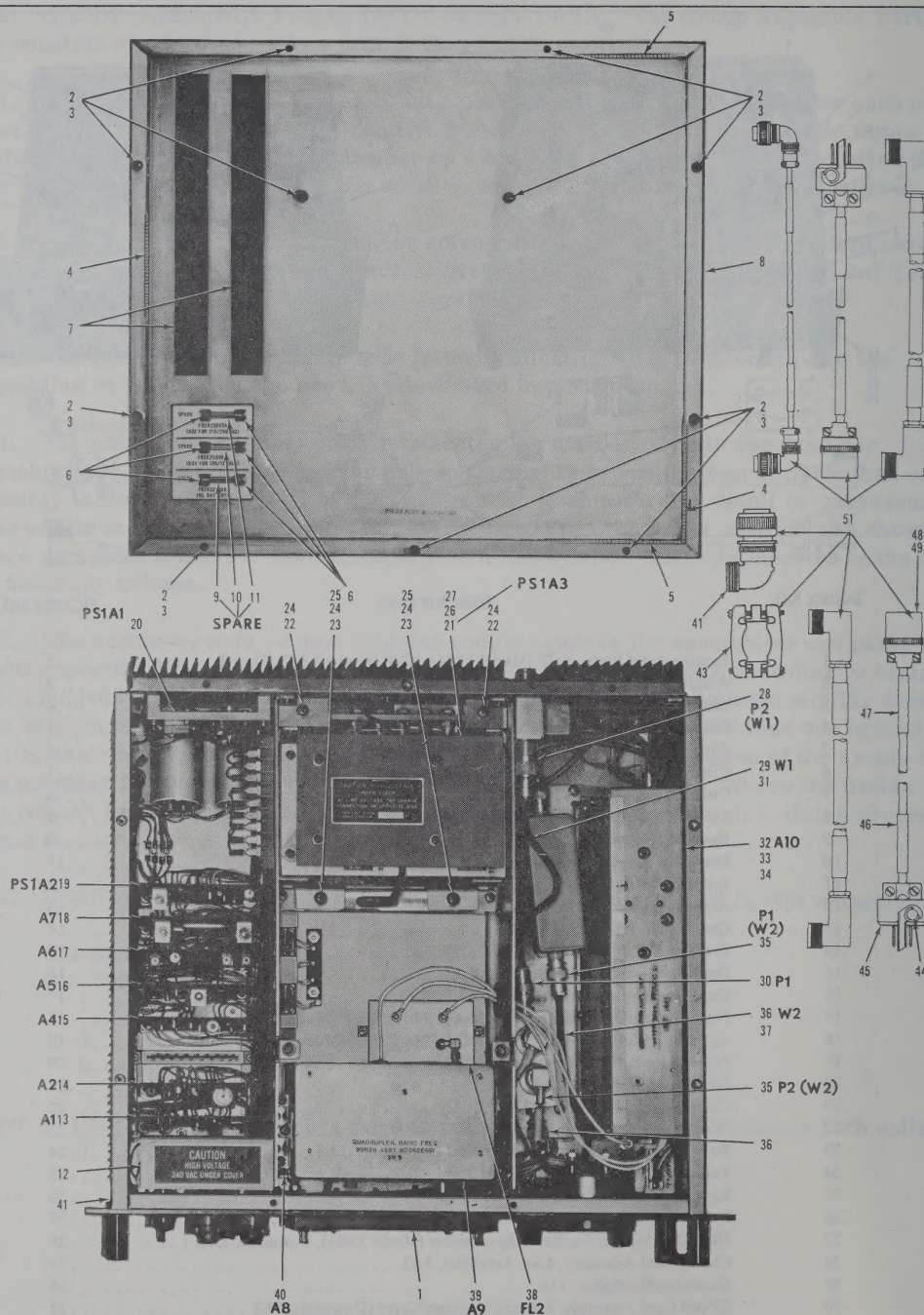


Figure 2. Exciter, Solid State, VHF (Model 3201), UHF (Model 3202), Unit 1

## SECTION II

### GROUP ASSEMBLY PARTS LIST

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2 -	8004201G1	A	EXCITER, SOLID STATE, MODEL 3202 /UHF	REF	A
- 1	8004201G2	A	EXCITER, SOLID STATE, MODEL 3201 /VHF	REF	B
	8006157-1	B	PLATE, IDENTIFICATION	1	A
	8006157-2	B	PLATE, IDENTIFICATION	1	B
			ATTACHING PARTS		
	MS35206-202	B	SCREW	2	
	MS27183-2	B	WASHER	2	
	MS35338-39	B	WASHER	2	
			-----		
	8004610G1	B	COVER ASSEMBLY, TRANSMITTER	1	
- 2	511338-11	C	SCREW, SELF-LOCKING, FLAT HEAD	11	
- 3	517689-1	C	WASHER, NON-METALLIC /USED IN EARLY CONFIGURATIONS/	11	
	508874-15	C	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	11	
- 4	8004295-4	C	SHIELD, RADIO FREQUENCY INTERFERENCE	2	
- 5	8004295-3	C	SHIELD, RADIO FREQUENCY INTERFERENCE	2	
	8004610G2	C	COVER SUBASSEMBLY	1	
- 6	509417-1	D	FUSEHOLDER	6	
			ATTACHING PARTS		
	MS16535-132	D	RIVET	6	
			-----		
- 7	8004610-9	D	RUBBER STRIP	2	
- 8	8004610-1	D	COVER	1	
- 9	F02A32V10A	B	FUSE /WHEN EXHAUSTED USE F02A125V10A/	1	
	F02A125V10A	B	FUSE /REPLACES F02A32V10A IN LATER CONFIGURATIONS/	1	
- 10	F02A250V6A	B	FUSE	1	
- 11	F02A250V3A	B	FUSE	1	
- 12	8004740-1	B	COVER, PROTECTIVE	1	
- 13	8004213G1	B	AMPLIFIER, COMPRESSOR, AUDIO /SEE FIGURE 3 FOR BREAKDOWN/	1	
	8007655G1	B	CIRCUIT CARD ASSEMBLY, LINE AMPLIFIER /OPTIONAL AND INTER- CHANGEABLE WITH 8004213G1-ADDED IN LATER CONFIGURATIONS, SEE FIGURE 29 FOR BREAKDOWN/	1	
- 14	8004217G1	B	CIRCUIT CARD ASSEMBLY, KEYS, CONTROL-TRANSFER /SEE FIGURE 4 FOR BREAKDOWN/	1	
- 15	8004214G1	B	CIRCUIT CARD ASSEMBLY, FILTER-AMPLIFIER /DETECTOR/ SEE FIGURE 5 FOR BREAKDOWN/	1	
- 16	8004221G1	B	CIRCUIT CARD ASSEMBLY, BUFFER, MODULATOR /SEE FIGURE 6 FOR BREAKDOWN/	1	
- 17	8004222G1	B	CIRCUIT CARD ASSEMBLY, CONTROL, RF, MODULATOR /SEE FIGURE 7 FOR BREAKDOWN/ NOTE-ANY CIRCUIT CARD MARKED 8004222G2 IS IMPROPERLY IDENTIFIED AND SHOULD BE MARKED 8004222G1	1	
- 18	8004219G1	B	CIRCUIT CARD ASSEMBLY, CONTROL /SEE FIGURE 8 FOR BREAKDOWN/	1	
- 19	8004216G1	B	CIRCUIT CARD ASSEMBLY, REGULATOR /SEE FIGURE 9 FOR BREAKDOWN/	1	
- 20	8004531G1	B	HEATSINK, REGULATOR /SEE FIGURE 10 FOR BREAKDOWN/ ATTACHING PARTS	1	
	8004857-1	B	SCREW, CAPTIVE	4	
	MS27183-7	B	WASHER	4	
			-----		
- 21	8004530G1	B	POWER SUPPLY /SEE FIGURE 11 FOR BREAKDOWN/ ATTACHING PARTS	1	
- 22	MS35207-272	B	SCREW	2	
- 23	MS35207-263	B	SCREW	2	
- 24	MS27183-8	B	WASHER	4	
- 25	MS35338-43	B	WASHER	2	
- 26	8004857-1	B	SCREW, CAPTIVE	2	
- 27	MS27183-7	B	WASHER	2	
			-----		
- 28	8004906G1	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 29	UG536BU	C	CONNECTOR	1	
- 30	RS558U	C	CABLE, RF	AR	
- 31	502082-6	C	CONNECTOR, PLUG, ELECTRICAL	1	
- 32	516665-4	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	8004890G1	B	AMPLIFIER, DRIVER/POWER, RF, UHF /SEE FIGURE 12 FOR BREAKDOWN/	1	A
	8006081G1	B	AMPLIFIER, DRIVER/POWER, RF, VHF /SEE FIGURE 13 FOR BREAKDOWN/ ATTACHING PARTS	1	B
- 33	8004846-2	B	SCREW, CAPTIVE	5	
- 34	8004846-3	B	SCREW, CAPTIVE	2	
	MS27183-8	B	WASHER	7	
			-----		



FIGURE AND INDEX NUMBER	PART NUMBER	IDENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2 -	8004907G1	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 35	502082-6	C	CONNECTOR, RF, PLUG, ELECTRICAL	2	
- 36	RG558U	C	CABLE, RF	AR	
- 37	516665-5	C	MARKER, TUBING, HEAT SHRINKABLE	1	
- 38	505527-1	B	FILTER, RF, UHF, TUNABLE, 225 TO 400 MHZ	1	A
	505527-2	B	FILTER, RF, VHF, TUNABLE, 116 TO 150 MHZ	1	B
			ATTACHING PARTS		
	MS35206-245	B	SCREW	4	A
	MS35206-245	B	SCREW	3	B
	MS27183-7	B	WASHER	4	A
	MS27183-7	B	WASHER	3	B
	MS35338-42	B	WASHER	4	A
	MS35338-42	B	WASHER	3	B
- 39	8004224G1	B	QUADRUPLER, RF, UHF /SEE FIGURE 14 FOR BREAKDOWN/	1	A
	8004225G1	B	DOUBLER, RF, VHF /SEE FIGURE 15 FOR BREAKDOWN/	1	B
- 40	8004290G2	B	OSCILLATOR, CRYSTAL CONTROLLED /SEE FIGURE 16 FOR BREAKDOWN/	1	
			REPLACES AND IS INTERCHANGEABLE WITH 8004290G1 IN LATER CONFIGURATIONS		
	8004290G1	B	OSCILLATOR, CRYSTAL CONTROLLED /SEE FIGURE 17 FOR BREAKDOWN/	1	
			USED IN EARLY CONFIGURATIONS, REPLACED BY 8004290G2 IN LATER CONFIGURATIONS		
	8009306G1	B	DIGI CHANNEL, MODEL 3503, OSCILLATOR/SYNTHESIZER /SEE FIGURE 28 FOR BREAKDOWN/ OPTIONAL MODULE FOR ALL CRYSTAL CONTROLLED OSCILLATORS, PART NUMBERS 8004290G1 AND 8004290G2 AS APPLICABLE	1	
	8009546G1	B	OSCILLATOR /MULTIPLIER/ OPTIONAL MODULE FOR CRYSTAL CONTROLLED OSCILLATORS 8004290G1, 8004290G2 AND DIGI CHANNEL 8009306G1 /SEE FIGURE 30 FOR BREAKDOWN/	1	
	8006149G2	B	INTERFACE CABLE KIT, USED WITH TRANSMITTER, RADIOS UHF AND VHF - 10 WATT VERSION ONLY	1	
- 41	MS3108A24-285	C	CONNECTOR	1	
- 42	MS3057-16A	C	CLAMP	1	
- 43	8006147G2	C	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 44	514273-2	D	TERMINAL, LUG, CRIMP TYPE	3	
- 45	UPI311H	D	CONNECTOR	1	
- 46	516665-22	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 47	516665-23	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 48	507309-1	D	INSULATOR, CONNECTOR	1	

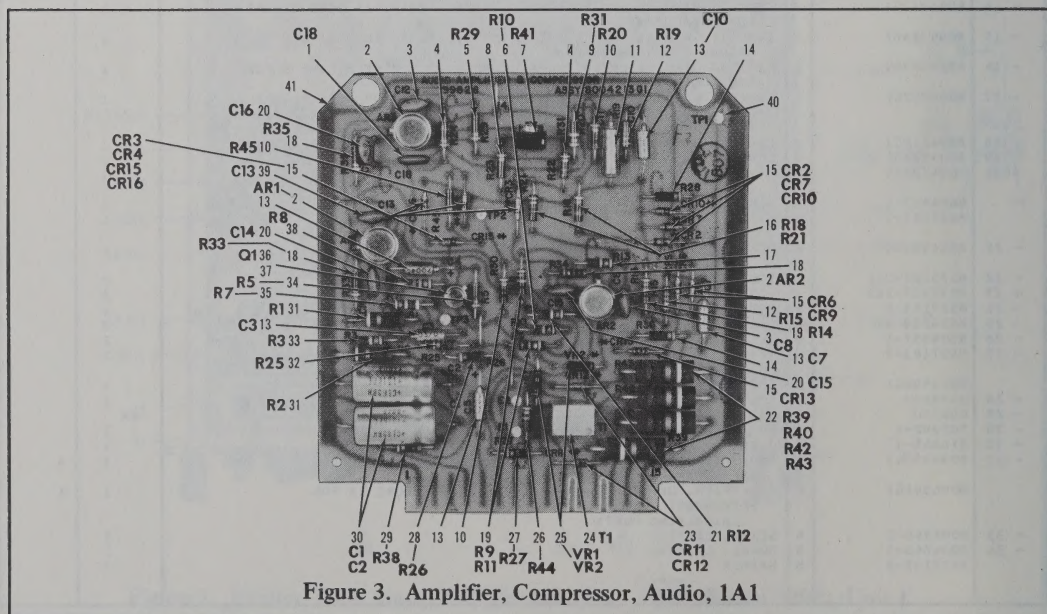




FIGURE AND INDEX NUMBER	PART NUMBER	I D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
2 - 49	502079-1 8009601G1	D	CONNECTOR, RECEPTACLE, ELECTRICAL, THREE WIRE, TWIST-LOCK	1	
		B	MODIFICATION KIT/INSTRUCTIONS FOR ADDING THE INBOARD MONITOR/ KEYER /A3/ CAPABILITY /OPTIONAL/ FOR USE IN ALL MODEL 3202 AND 3201 SOLID STATE EXCITERS. THE MODIFICATION REQUIRED TO ADD THE INBOARD MONITOR/KEYER ASSEMBLY /ITT PART NUMBER 8009574G1/ IN THE A3 POSITION IS ALREADY CONTAINED IN APPROXIMATELY SN 28500 AND UP.	1	
	8009574G1	C	CIRCUIT CARD ASSEMBLY, INBOARD MONITOR/KEYER /SEE FIGURE 31 FOR BREAKDOWN/	1	
	- 50 8004204G1	B	FRAME ASSEMBLY, EXCITER, UHF /SEE FIGURE 18 FOR BREAKDOWN/	1	A
	- 51 8006149G1	B	FRAME ASSEMBLY, EXCITER, VHF /SEE FIGURE 18 FOR BREAKDOWN/ INTERFACE CABLE KIT, USED WITH EXCITER, SOLID STATE MODEL 3202 /UHF/ AND MODEL 3201 /VHF/ AND AMPLIFIER, LINEAR POWER, MODEL 3212 /UHF/ AND MODEL 3211 /VHF/ SEE FIGURE 27 FOR BREAK- DOWN /50 WATT VERSION ONLY/	1	B
3 -	8004213G1 501170-12	A	AMPLIFIER, COMPRESSOR, AUDIO /SEE FIGURE 2 FOR NHA/	REF	
		B	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGU- RATIONS/	1	
	M39003-01-2356	B	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
	- 2 511803-2	B	INTEGRATED CIRCUIT, AMPLIFIER, OPERATIONAL	3	
	- 3 CK608X220K	B	CAPACITOR /ALTERNATE PART 501240-19/	2	
	- 4 RCR07G272JR	B	RESISTOR	2	
	- 5 RCR07G225JR	B	RESISTOR	1	
	- 6 RCR07G153JR	B	RESISTOR	1	
	- 7 509422-9	B	RESISTOR, VARIABLE, CERMET	1	
	- 8 RCR07G221JR	B	RESISTOR	1	
	- 9 RCR07G224JR	B	RESISTOR	1	
	- 10 RCR07G102JR	B	RESISTOR /DELETED R45 IN LATER CONFIGURATIONS/	2	
	RCR07G202JS	B	RESISTOR /R45 ADDED IN LATER CONFIGURATIONS/	1	
	- 11 M39003-01-2286	B	CAPACITOR	1	
	- 12 RCR07G511JR	B	RESISTOR	2	
	- 13 M39003-01-2356	B	CAPACITOR	5	
	- 14 RCR07G202JR	B	RESISTOR	2	
	- 15 JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	10	
	- 16 RCR07G562JR	B	RESISTOR	2	
	- 17 RCR07G274JR	B	RESISTOR	1	
	- 18 RCR07G152JR	B	RESISTOR	3	
	- 19 RCR07G103JR	B	RESISTOR	3	
	- 20 CK60AX471K	B	CAPACITOR /ALTERNATE PART 501240-43/	3	
	- 21 RCR07G104JR	B	RESISTOR	1	
	- 22 RCR32G272JR	B	RESISTOR	4	
	- 23 JAN1N4249	B	SEMICONDUCTOR DEVICE, DIODE	2	
	- 24 515301-2	B	TRANSFORMER, AF	1	
	- 25 JAN1N751A	B	SEMICONDUCTOR DEVICE, DIODE	2	
	- 26 RCR07G183JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D1742F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
	- 27 RCR07G621JR	B	RESISTOR	1	
	- 28 RCR07G122JR	B	RESISTOR	1	
	- 29 RCR07G680JR	B	RESISTOR	1	
	- 30 CL65BH151KPE	B	CAPACITOR	2	
	- 31 RCR20G102JR	B	RESISTOR	2	
	- 32 RCR07G681JR	B	RESISTOR	1	
	- 33 RCR07G154JR	B	RESISTOR	1	
	- 34 RCR07G682JR	B	RESISTOR	1	
	- 35 RCR07G914JR	B	RESISTOR	1	
	- 36 511797-5	B	TRANSISTOR, FET, N CHANNEL	1	
	- 37 507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	1	
	- 38 RCR07G563JR	B	RESISTOR	1	
	- 39 CK608X101K	B	CAPACITOR /ALTERNATE PART 501240-31/	1	
	8004323G1	B	PRINTED WIRING BOARD	1	
	- 40 514266-302	C	TERMINAL, UNINSULATED	5	
	- 41 8004323-1	C	PRINTED WIRING BOARD	1	

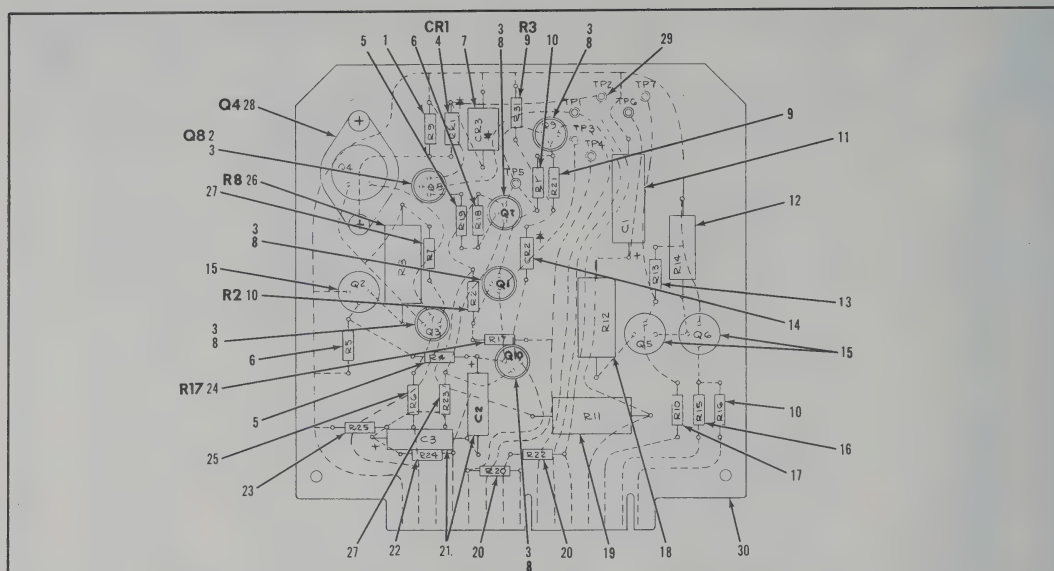


Figure 4. Circuit Card Assembly, Keyer, Control-Transfer, 1A2

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
4 -	8004217G1	A	CIRCUIT CARD ASSEMBLY, KEYER, CONTROL TRANSFER /SEE FIGURE 2 FOR NHA/	REF	
- 1	RCR07G273JR	B	RESISTOR	1	
- 2	JAN2N2222A	B	TRANSISTOR	1	
- 3	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	6	
- 4	JAN1N4249	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 5	RCR07G103JR	B	RESISTOR	2	
- 6	RCR07G222JR	B	RESISTOR	2	
- 7	511832-1	B	SEMICONDUCTOR DEVICE, RECTIFIER	1	
- 8	JAN2N2907A	B	TRANSISTOR /Q10 ADDED IN LATER CONFIGURATIONS/	5	
- 9	RCR07G183JR	B	RESISTOR	2	
- 10	RCR07G392JR	B	RESISTOR	3	
- 11	M39003-01-2374	B	CAPACITOR ,FXD	1	
- 12	RCR32G510JR	B	RESISTOR	1	
- 13	RCR07G512JR	B	RESISTOR	1	
- 14	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 15	JAN2N1613	B	TRANSISTOR	3	
- 16	RCR07G432JR	B	RESISTOR	1	
- 17	RCR07G332JR	B	RESISTOR	1	
- 18	RC42GF201J	B	RESISTOR	1	
- 19	RC42GF241J	B	RESISTOR	1	
- 20	RCR07G914JR	B	RESISTOR	2	
- 21	M39003-01-2271	B	CAPACITOR /ADDED IN LATER CONFIGURATIONS/	2	
- 22	RCR07G563JR	B	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 23	RCR07G133JR	B	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 24	RCR07G271JR	B	RESISTOR	1	
- 25	RCR07G581JR	B	RESISTOR	1	
- 26	RC42GF182J	B	RESISTOR	1	
- 27	RCR07G102JR	B	RESISTOR /R23 ADDED IN LATER CONFIGURATIONS/	2	
- 28	511812-2	B	TRANSISTOR, PNP, POWER ATTACHING PARTS	1	
	MS51957-14	B	SCREW	2	
	NAS620C4	B	WASHER	2	
	MS35338-135	B	WASHER	2	
	MS35649-244	B	NUT	2	
			-----*		
	8004326G1	B	PRINTED WIRING BOARD	1	
- 29	514266-302	C	TERMINAL, UNINSULATED	7	
- 30	8004326-1	C	PRINTED WIRING BOARD	1	

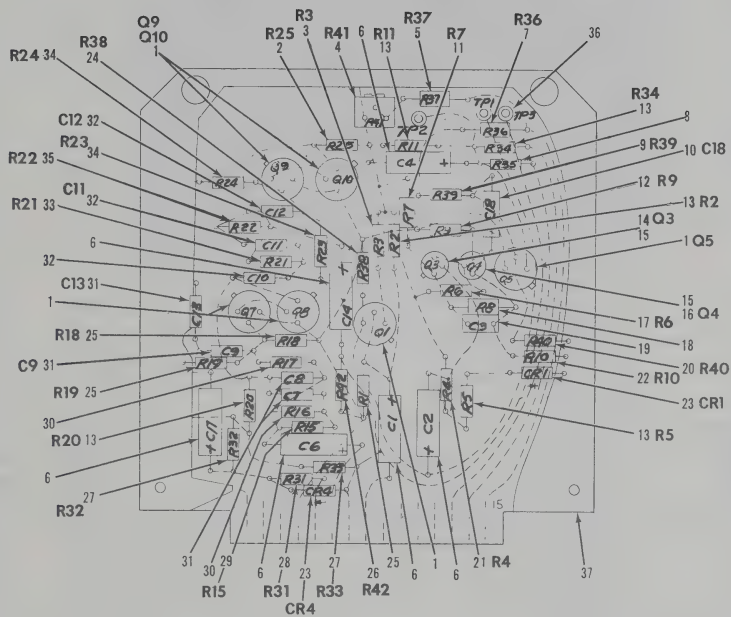


Figure 5. Circuit Card Assembly, Filter-Amplifier/Detector, 1A4



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
5 -	800421461	A	CIRCUIT CARD ASSEMBLY, FILTER-AMPLIFIER /DETECTOR/ SEE FIGURE 2 FOR NHA/	REF	
- 1	JAN2N1613	B	TRANSISTOR	6	
- 2	RCR07G222JR	B	RESISTOR	1	
- 3	RCR07G331JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D3320F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 4	509422-8	B	RESISTOR, VARIABLE, CERMET	1	
- 5	RN55D5231F	B	RESISTOR	1	
- 6	M39003-01-2286	B	CAPACITOR	6	
- 7	RN55D5621F	B	RESISTOR	1	
- 8	RCR07G623JR	B	RESISTOR	1	
- 9	RCR07G473JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D4752F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 10	M39003-01-2254	B	CAPACITOR	1	
- 11	RN55D3241F	B	RESISTOR	1	
- 12	RCR07G101JR	B	RESISTOR	1	
- 13	RCR07G103JR	B	RESISTOR	5	
- 14	JAN2N2222A	B	TRANSISTOR	1	
- 15	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	2	
- 16	JAN2N2907A	B	TRANSISTOR	1	
- 17	RCR07G822JR	B	RESISTOR	1	
- 18	RN55D2672F	B	RESISTOR	1	
- 19	CK60AX471K	B	CAPACITOR /ALTERNATE PART 501240-43/	1	
- 20	RCR07G683JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D6982F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 21	RCR07G683JR	B	RESISTOR	1	
- 22	RCR07G102JR	B	RESISTOR	1	
- 23	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	2	
- 24	RCR07G152JR	B	RESISTOR /R38 USED IN EARLIEST CONFIGURATIONS/	1	
	RN55D1501F	B	RESISTOR /R38 USED IN EARLY CONFIGURATIONS/	1	
	RCR07G152JR	B	RESISTOR /R38 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	1	
	RCR07G132JR	B	RESISTOR /R38 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	1	
	RCR07G162JR	B	RESISTOR /R38 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	1	
	RCR07G182JR	B	RESISTOR /R38 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	1	
	RCR07G202JR	B	RESISTOR /R38 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	1	
- 25	RCR07G104JR	B	RESISTOR	3	
- 26	RCR07G224JR	B	RESISTOR	1	
- 27	RCR07G622JR	B	RESISTOR	2	
- 28	RCR07G182JR	B	RESISTOR	1	
- 29	RCR07G472JR	B	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
	RCR07G562JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D5621F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 30	RCR07G472JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	2	
	RN55D4321F	B	RESISTOR /R17 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	2	
	RN55D5621F	B	RESISTOR /R17 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	1	
	RN55D6041F	B	RESISTOR /R17 SELECTED VALUE AT TEST, TAILOR POINT IN LATER CONFIGURATIONS/	1	
- 31	CK128X472K	B	CAPACITOR	4	
- 32	CK138X103K	B	CAPACITOR	3	
- 33	RCR07G124JR	B	RESISTOR	1	
- 34	RCR07G334JR	B	RESISTOR	2	
- 35	RCR07G623JR	B	RESISTOR	1	
	8004319G1	B	PRINTED WIRING BOARD	1	
- 36	514266-302	C	TERMINAL, UNINSULATED	7	
- 37	8004319-1	C	PRINTED WIRING BOARD	1	

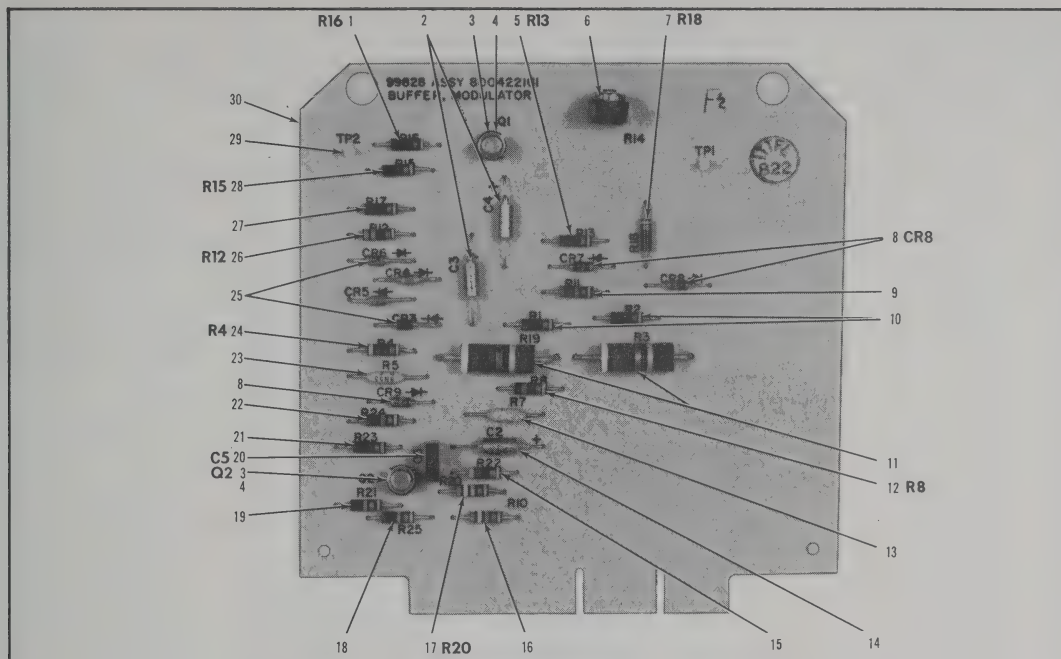


Figure 6. Circuit Card Assembly, Buffer, Modulator, 1A5

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
6 -	8004221G1	A	CIRCUIT CARD ASSEMBLY, BUFFER, MODULATOR /SEE FIGURE 2 FOR NHA/	REF	
- 1	RCR07G220JR	B	RESISTOR	1	
- 2	M39003-01-2356	B	CAPACITOR	2	
- 3	JAN2N2222A	B	TRANSISTOR	2	
- 4	507753-12	B	INSULATOR, STANDOFF, TRANSISTOR	2	
- 5	RCR07G152JR	B	RESISTOR	1	
- 6	509422-2	B	RESISTOR, VARIABLE, CERMET	1	
- 7	RCR07G822JR	B	RESISTOR	1	
- 8	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	3	
- 9	RCR07G683JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G513JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 10	RCR07G222JR	B	RESISTOR	2	
- 11	RCR32G910JR	B	RESISTOR	2	
- 12	RCR07G562JR	B	RESISTOR	1	
- 13	RN55D9311F	B	RESISTOR	1	
- 14	M39003-01-2254	B	CAPACITOR	1	
- 15	RCR07G472JR	B	RESISTOR	1	
- 16	RCR07G393JR	B	RESISTOR	1	
- 17	RCR07G394JR	B	RESISTOR	1	
- 18	RCR07G103JR	B	RESISTOR	1	
- 19	RCR07G223JR	B	RESISTOR	1	
- 20	CK06X104K	B	CAPACITOR	1	
- 21	RCR07G121JR	B	RESISTOR	1	
- 22	RCR07G823JR	B	RESISTOR	1	
- 23	RN55D7151F	B	RESISTOR	1	
- 24	RCR07G471JR	B	RESISTOR	1	
- 25	JAN1N4245	B	SEMICONDUCTOR DEVICE, DIODE	4	
- 26	RCR07G332JR	B	RESISTOR	1	
- 27	RCR07G202JR	B	RESISTOR	1	
- 28	RCR07G101JR	B	RESISTOR	1	
	8004435G1	B	PRINTED WIRING BOARD	1	
- 29	514266-302	C	TERMINAL, UNINSULATED	2	
- 30	8004435-1	C	PRINTED WIRING BOARD	1	





FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
7 -	8004222G1	A	CIRCUIT CARD ASSEMBLY, CONTROL, RF, MODULATOR /SEE FIGURE 2 FOR NHA/ NOTE-ANY CIRCUIT CARD MARKED 8004222G2 IS IMPROPERLY IDENTIFIED AND SHOULD BE MARKED 8004222G1	REF	
- 1	CK63AW103M	B	CAPACITOR /ALTERNATE PART 501240-85/	3	
- 2	RCR07G471JR	B	RESISTOR	2	
- 3	RCR07G181JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G151JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 4	JAN1N751A	B	SEMICONDUCTOR DEVICE, DIODE	3	
- 5	RCR07G102JR	B	RESISTOR /R35 DELETED IN LATER CONFIGURATIONS/	3	
- 6	RN55D5621F	B	RESISTOR	1	
- 7	509422-9	B	RESISTOR, VARIABLE, CERMET	1	
- 8	JAN1N746A	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 9	RCR07G105JR	B	RESISTOR	1	
- 10	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	6	
- 11	RCR07G103JR	B	RESISTOR /R33 DELETED IN EARLY CONFIGURATIONS/	3	
	RCR07G332JR	B	RESISTOR /R33 ADDED IN LATER CONFIGURATIONS/	1	
- 12	JAN2N2222A	B	TRANSISTOR	4	
- 13	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	4	
- 14	509422-4	B	RESISTOR, VARIABLE, CERMET /R5 CHANGED IN LATER CONFIGURATIONS, SEE INDEX 15/	2	
- 15	509422-2	B	RESISTOR, VARIABLE, CERMET /R5 USED IN LATER CONFIGURATIONS/	1	
- 16	RCR07G273JR	B	RESISTOR	1	
- 17	501170-12	B	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGURATIONS/	2	
	CK06BX104K	B	CAPACITOR /USED IN LATER CONFIGURATIONS/	2	
- 18	RCR07G153JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D1372F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 19	RCR07G391JR	B	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
	RCR07G331JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D50110F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 20	RN55D0909F	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D7500F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 21	RCR07G472JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D4321F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 22	RN55D5231F	B	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
	RN55D0311F	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D1432F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 23	RCR07G106JR	B	RESISTOR	1	
- 24	RCR07G682JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D6811F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 25	RCR07G683JR	B	RESISTOR	1	
- 26	RCR07G104JR	B	RESISTOR	2	
- 27	RCR07G512JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G332JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 28	RCR07G392JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G272JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 29	M39003-01-2289	B	CAPACITOR	1	
- 30	RCR07G273JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D2672F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 31	RN55D7321F	B	RESISTOR	1	
- 32	RN55D1002F	B	RESISTOR	1	
- 33	RCR07G273JR	B	RESISTOR	1	
- 34	RCR07G472JR	B	RESISTOR	1	
- 35	CK60AW102M	B	CAPACITOR /C8 DELETED IN EARLY CONFIGURATIONS ALTERNATE PART 501240-58/	2	
	CK62AW332M	B	CAPACITOR /C8 ADDED IN LATER CONFIGURATIONS, ALTERNATE PART 501240-76/	1	
- 36	511803-2	B	INTEGRATED CIRCUIT, AMPLIFIER, OPERATIONAL	1	
- 37	RCR07G392JR	B	RESISTOR	1	
- 38	M39003-01-2304	B	CAPACITOR	1	
- 39	JAN2N1132	B	TRANSISTOR	1	
- 40	RCR07G122JR	B	RESISTOR	1	
- 41	CM06F0681J03	B	CAPACITOR /USED IN EARLIEST CONFIGURATIONS/	1	
	CM06F0511J03	B	CAPACITOR /USED IN EARLY CONFIGURATIONS/	1	
	CM06F0821J03	B	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
- 42	CK60BX101K	B	CAPACITOR /USED IN EARLY CONFIGURATIONS, /PART DELETED IN LATER CONFIGURATIONS/	1	
- 43	RCR07G100JR	B	RESISTOR	1	
- 44	RCR07G182JR	B	RESISTOR	1	
- 45	511803-2	B	INTEGRATED CIRCUIT, AMPLIFIER, OPERATIONAL /USED IN EARLY CONFIGURATIONS/	1	
	511854-1	B	INTEGRATED CIRCUIT, AMPLIFIER, OPERATIONAL /USED IN LATER CONFIGURATIONS/	1	
- 46	RCR07G152JR	B	RESISTOR	1	
- 47	RCR07G621JR	B	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
	RCR07G471JR*	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN55D7500F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 48	509422-7	B	RESISTOR, VARIABLE, CERMET /USED IN EARLY CONFIGURATIONS/	1	
	509422-9	B	RESISTOR, VARIABLE, CERMET /USED IN LATER CONFIGURATIONS/	1	
- 49	M39003-01-2309	B	CAPACITOR	1	
- 50	CK60BX680M	B	CAPACITOR /USED IN EARLY CONFIGURATIONS, PART DELETED IN LATER CONFIGURATIONS/	1	
- 51	M39003-01-2359	B	CAPACITOR /ADDED IN LATER CONFIGURATIONS/	1	
	8004446G1	B	PRINTED WIRING BOARD	1	
- 52	514266-302	C	TERMINAL, UNINSULATED	7	
- 53	8004446-1	C	PRINTED WIRING BOARD	1	

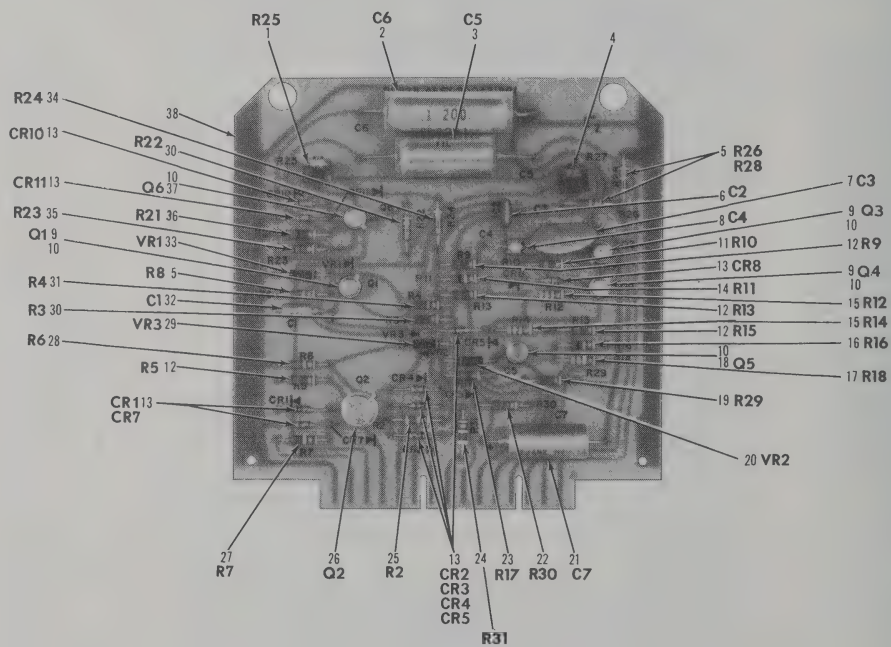


Figure 8. Circuit Card Assembly, Control, 1A7



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
B -	8004219G1	A	CIRCUIT CARD ASSEMBLY, CONTROL /SEE FIGURE 2 FOR NHA/	REF	
- 1	509422-13	B	RESISTOR, VARIABLE, CERMET	1	
- 2	CP09A1KC104K3	B	CAPACITOR	1	
- 3	CP09A1KC683K3	B	CAPACITOR	1	
- 4	509422-10	B	RESISTOR, VARIABLE, CERMET	1	
- 5	RCR07G153JR	B	RESISTOR	3	
- 6	501170-12	B	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGURATIONS/	1	
- 7	CK068X104K	B	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
- 8	CK634W103M	B	CAPACITOR /ALTERNATE PART 501240-85/	1	
- 9	M39003-01-2362	B	CAPACITOR	1	
- 10	JAN2N2222A	B	TRANSISTOR	3	
- 11	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	5	
- 12	RCR07G562JR	B	RESISTOR	1	
- 13	RCR07G272JR	B	RESISTOR	4	
- 14	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	9	
- 15	RCR07G104JR	B	RESISTOR	1	
- 16	RCR07G333JR	B	RESISTOR	2	
- 17	RCR07G103JR	B	RESISTOR	1	
- 18	RCR07G334JR	B	RESISTOR	1	
- 19	JAN2N2907A	B	TRANSISTOR	1	
- 20	RCR07G821JR	B	RESISTOR	1	
- 21	JAN1N759A	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 22	M39003-01-2312	B	CAPACITOR	1	
- 23	RCR07G181JR	B	RESISTOR	1	
- 24	RCR07G182JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 25	RCR07G122JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 26	RCR07G914JR	B	RESISTOR	1	
- 27	RCR07G473JR	B	RESISTOR	1	
- 28	JAN2N1132	B	TRANSISTOR	1	
- 29	RCR07G824JR	B	RESISTOR	1	
- 30	RCR07G183JR	B	RESISTOR	1	
- 31	JAN1N746A	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 32	RCR07G222JR	B	RESISTOR	2	
- 33	RCR07G223JR	B	RESISTOR	1	
- 34	M39003-01-2356	B	CAPACITOR	1	
- 35	JAN1N758A	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 36	RCR07G822JR	B	RESISTOR	1	
- 37	RCR07G681JR	B	RESISTOR	1	
- 38	RCR07G105JR	B	RESISTOR	1	
- 39	511792-3	B	TRANSISTOR, FET, N CHANNEL	1	
- 40	8004455-1	B	PRINTED WIRING BOARD	1	

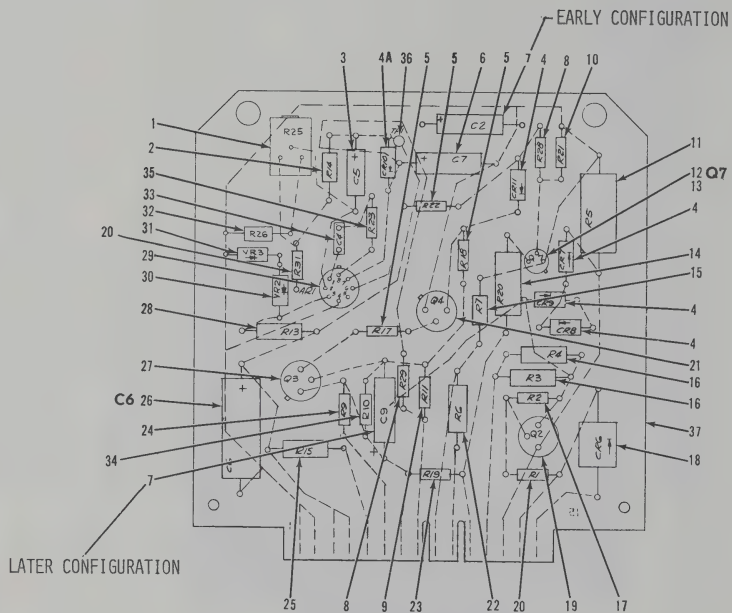


Figure 9. Circuit Card Assembly, Regulator, 1PS1A2

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
9 -	8004216G1	A	CIRCUIT CARD ASSEMBLY, REGULATOR /SEE FIGURE 2 FOR NHA/	REF	
- 1	509422-8	B	RESISTOR, VARIABLE, CERMET	1	
- 2	RN5509531F	B	RESISTOR	1	
- 3	M39003-01-2356	B	CAPACITOR	1	
- 4	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	4	
- 4A	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE /USED IN EARLY CONFIGURATIONS/	1	
	JAN1V4245	B	SEMICONDUCTOR DEVICE, DIODE /USED IN LATER CONFIGURATIONS/	1	
- 5	RCR07G103JR	B	RESISTOR	3	
- 6	M39003-01-2304	B	CAPACITOR	1	
- 7	M39003-01-2289	B	CAPACITOR /REFERENCE DESIGNATION WAS C2 IN EARLY CONFIGURATIONS, CHANGED TO REFERENCE DESIGNATION C9 IN LATER CONFIGURATIONS/	1	
- 8	RCR07G562JR	B	RESISTOR	2	
- 9	RCR07G102JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G122JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 10	RCR07G122JR	B	RESISTOR	1	
- 11	RC42GF102J	B	RESISTOR	1	
- 12	JAN2N2222A	B	TRANSISTOR	1	
- 13	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	1	
- 14	RCR32G182JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR32G102JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 15	RN5501182F	B	RESISTOR	1	
- 16	RCR20G100JR	B	RESISTOR	2	
- 17	RCR07G821JR	B	RESISTOR	1	
- 18	JAN1N540	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 19	JAN2N1132	B	TRANSISTOR	1	
- 20	RCR07G273JR	B	RESISTOR /R31 ADDED IN LATER CONFIGURATIONS/	2	
- 21	JAN2N1613	B	TRANSISTOR	1	
- 22	RN6006193F	B	RESISTOR	1	
- 23	RCR07G102JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G331JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 24	RCR07G105JR	B	RESISTOR	1	
- 25	RN6001004F	B	RESISTOR	1	
- 26	M39003-01-2312	B	CAPACITOR /USED IN EARLY CONFIGURATIONS/	1	
	8006798-1	B	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
- 27	JAN2N1132	B	TRANSISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
	JAN2N2904A	B	TRANSISTOR /USED IN EARLY CONFIGURATIONS/	1	
	515392-1	B	TRANSISTOR /USED IN LATER CONFIGURATIONS/	1	
- 28	RCR20G182JR	B	RESISTOR	1	
- 29	511803-2	B	INTEGRATED CIRCUIT, AMPLIFIER, OPERATIONAL	1	
- 30	JAN1N746A	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 31	JAN1N754A	B	SEMICONDUCTOR DEVICE, DIODE	1	
- 32	RN5501002F	B	RESISTOR	1	
- 33	501170-12	B	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGURATIONS/	1	
	CK068X104K	B	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
- 34	RCR07G681JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G911JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 35	RCR07G152JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G911JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
	8004331G1	B	PRINTED WIRING BOARD	1	
- 36	514266-302	C	TERMINAL, UNINSULATED	1	
- 37	8004331-1	C	PRINTED WIRING BOARD	1	



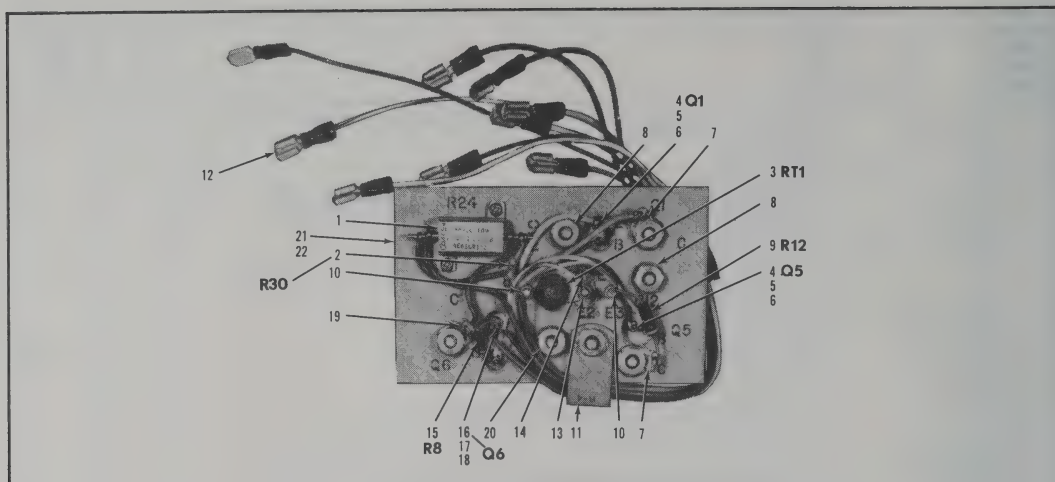


Figure 10. Heatsink, Regulator, 1PS1A1

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
10 -	8004531G1	A	HEATSINK, REGULATOR /SEE FIGURE 2 FOR NHA/	REF	
- 1	RF65GR100	B	RESISTOR	1	
			ATTACHING PARTS		
	MS35206-204	B	SCREW	2	
	MS35338-39	B	WASHER	2	
- 2	RN5501302F	B	RESISTOR	1	
- 3	509416-1	B	RESISTOR, THERMAL	1	
- 4	511812-2	B	TRANSISTOR, PNP, POWER	2	
			ATTACHING PARTS		
	MS35206-231	B	SCREW	4	
- 5	507292-2	B	INSULATOR, ELECTRICAL	2	
- 6	507292-3	B	WASHER, SHOULDERED	4	
	MS27183-5	B	WASHER	4	
- 7	514267-2	B	TERMINAL, LUG TYPE	2	
- 8	MS35338-41	B	WASHER	2	
	MS35649-262	B	NUT	4	
- 9	RCR20G120JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR20G2R7JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 10	514264-303	B	TERMINAL, STUD, INSULATED	2	
			ATTACHING PARTS		
	MS35338-39	B	WASHER	2	
- 11	MS25281R4	B	CLAMP	1	
			ATTACHING PARTS		
	MS35206-232	B	SCREW	1	
	MS27183-5	B	WASHER	1	
	MS35338-41	B	WASHER	1	
	MS35649-262	B	NUT	1	
- 12	514268-3	B	TERMINAL, TAB	9	
- 13	514264-303	B	TERMINAL, STUD, INSULATED	1	
- 14	514267-4	B	TERMINAL, LUG TYPE	1	
- 15	RCR07G102JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR20G120JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 16	515344-1	B	TRANSISTOR, NPN, HIGH POWER /USED IN EARLY CONFIGURATIONS/	1	
	515416-1	B	TRANSISTOR, NPN, HIGH POWER /USED IN LATER CONFIGURATIONS/	1	
			ATTACHING PARTS		
	MS35206-231	B	SCREW	2	
- 17	507292-1	B	MOUNTING PAD, ELECTRONIC COMPONENT	1	
- 18	507292-3	B	WASHER, SHOULDERED	2	
	MS27183-5	B	WASHER	2	
- 19	514267-2	B	TERMINAL, LUG TYPE	1	
- 20	MS35338-41	B	WASHER	1	
	MS35649-262	B	NUT	2	

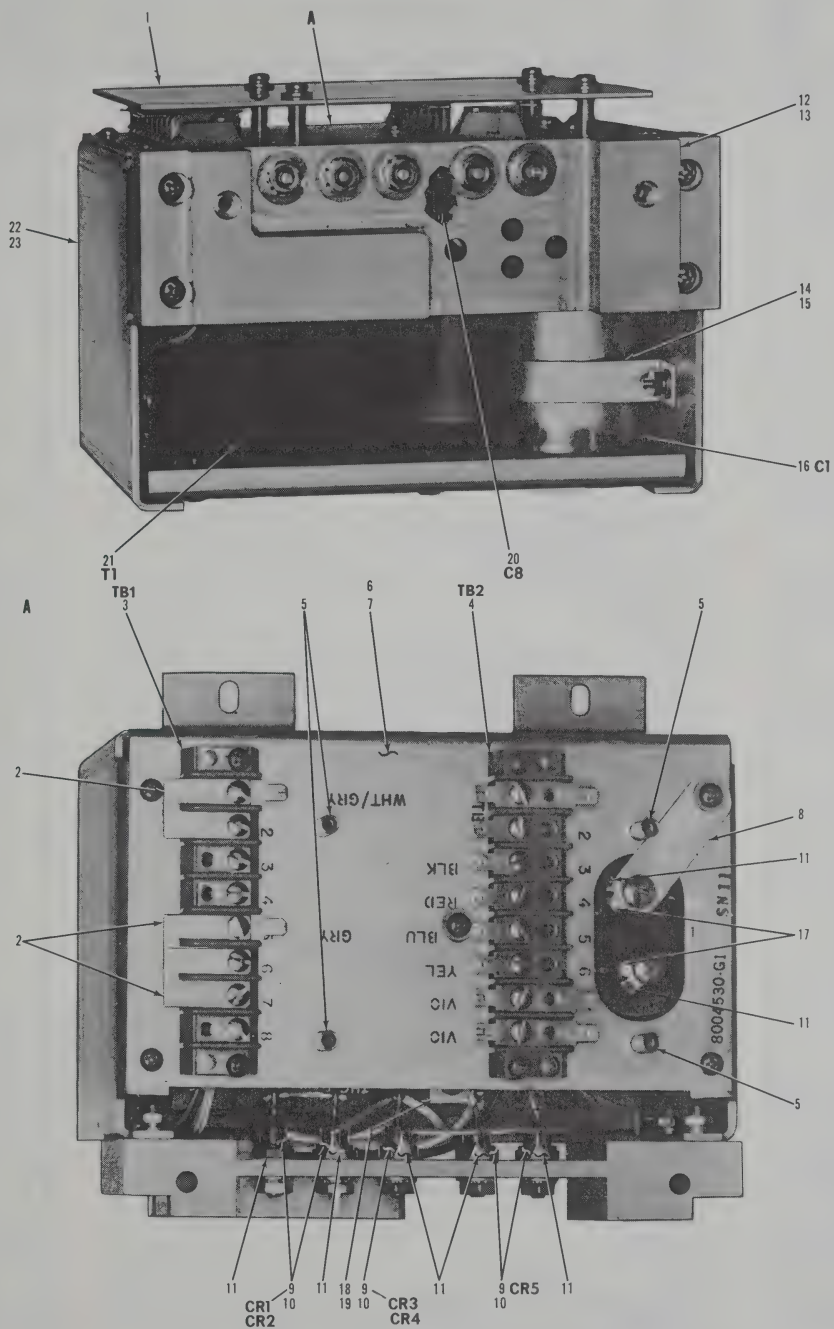


Figure 11. Power Supply, 1PS1A3

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
10 -	8004584G1	B	HEATSINK ASSEMBLY, REGULATOR	1	
- 21	MS21209C0815	C	INSERT	4	
- 22	8004584-1	C	HEATSINK	1	
11 -	8004530G1	A	POWER SUPPLY /SEE FIGURE 2 FOR NHA/	REF	
- 1	8004630-1	B	COVER	1	
			ATTACHING PARTS		
	MS35206-230	B	SCREW	4	
	MS35338-41	B	WASHER	4	
	MS27183-6	B	WASHER	4	
- 2	8004716-2	B	STRAP, JUMPER, TERMINAL BOARD	3	
- 3	514270-4	B	TERMINAL BOARD, MOLDED, BARRIER	1	
			ATTACHING PARTS		
	MS35206-231	B	SCREW	2	
- 4	514270-3	B	TERMINAL BOARD, MOLDED, BARRIER	1	
			ATTACHING PARTS		
	MS35206-231	B	SCREW	2	
			ATTACHING PARTS		
	8004629G1	B	PLATE ASSEMBLY, MOUNTING	1	
			ATTACHING PARTS		
	MS35206-228	B	SCREW	5	
	MS27183-6	B	WASHER	2	
- 5	505127-64	C	STANDOFF, THREADED	4	
- 6	508566-3	C	NUT, SELF-LOCKING, CLINCH	4	
- 7	8004629-1	C	PLATE, MOUNTING	1	
- 8	8004838-1	B	STRAP, GROUND	1	
- 9	JAN1N1202A	B	SEMICONDUCTOR DEVICE, DIODE	5	
			ATTACHING PARTS		
- 10	507293-1	B	INSULATOR, ELECTRICAL	10	
	512277-1	B	BUSHING, SLEEVE	5	
- 11	MS35431-8	B	LUG, TERMINAL, LOCKING	5	
	AN960-10L	B	WASHER	10	
	MS35333-39	B	WASHER	5	
	MS25082-3	B	NUT	5	
			ATTACHING PARTS		
	8004628G1	B	HEATSINK ASSEMBLY, POWER SUPPLY	1	
			ATTACHING PARTS		
	MS35206-248	B	SCREW	4	
	MS27183-7	B	WASHER	4	
	MS35338-42	B	WASHER	4	
	MS35649-282	B	NUT	4	
- 12	MS21209C0815	C	INSERT	2	
- 13	8004628-1	C	HEATSINK	1	
	8004534G1	B	STRAP ASSEMBLY, CAPACITOR	2	
			ATTACHING PARTS		
	MS35190-237	B	SCREW	4	
	MS27183-6	B	WASHER	4	
	MS35338-41	B	WASHER	4	
	MS35649-262	B	NUT	4	
- 14	8004534-2	C	RUBBER STRIP	1	
- 15	8004534-1	C	CLAMP, CAPACITOR	1	
- 16	501178-5	B	CAPACITOR, FIXED, ELECTROLYTIC ALUMINUM	1	
			ATTACHING PARTS		
	MS51958-60	B	SCREW /ADDED IN LATER CONFIGURATIONS/	2	
	8102535-4	B	TERMINAL, LUG	2	
- 17	514271-4	B	TERMINAL, LUG, CRIMP	2	
	8004702G1	B	BRACKET, MOUNTING	1	
			ATTACHING PARTS		
	MS35206-244	B	SCREW	2	
	MS27183-7	B	WASHER	2	
	MS35338-42	B	WASHER	2	
	MS35649-282	B	NUT	2	
- 18	508566-3	C	NUT, SELF-LOCKING, CLINCH	1	
- 19	8004702-1	C	BRACKET, MOUNTING	1	
- 20	CK068X104K	B	CAPACITOR	1	
- 21	515318-1	B	TRANSFORMER, POWER, STEP-DOWN	1	
			ATTACHING PARTS		
	MS35206-244	B	SCREW	4	
	MS27183-7	B	WASHER	4	
	MS35338-42	B	WASHER	4	
	MS35649-282	B	NUT	4	
			ATTACHING PARTS		
	8004608G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 22	508566-6	C	NUT, SELF-LOCKING, CLINCH	4	
- 23	8004608G2	C	CHASSIS	1	



FIGURE AND INDEX NUMBER	PART NUMBER	I D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
12 -	8004890G1	A	AMPLIFIER, DRIVER/POWER, RF, UHF /SEE FIGURE 2 FOR NHA/	REF	A
- 1	8004904-1	B	COVER	1	
	MS35206-226	B	ATTACHING PARTS	4	
	MS27183-5	B	SCREW	4	
	MS35338-41	B	WASHER	4	
- 2	515337-1	B	TRANSISTOR, NPN, SILICON	2	
	MS35338-42	B	ATTACHING PARTS	2	
		B	WASHER	2	
- 3	CK60BX2R2K	B	CAPACITOR /VALUE SELECTED AT TEST, TAILOR POINT FOR C48 AND C49 IN EARLY CONFIGURATIONS, C49 DELETED IN LATER CONFIGURATIONS, ALTERNATE PART 501240-1/	1	
	CK60BX3R3K	B	CAPACITOR /VALUE SELECTED AT TEST, TAILOR POINT FOR C48 AND C49 IN EARLY CONFIGURATIONS, C49 DELETED IN LATER CONFIGURATIONS, ALTERNATE PART 501240-4/	1	
	CK60BX4R7K	B	CAPACITOR /VALUE SELECTED AT TEST, TAILOR POINT FOR C48,C49, C52,C53,C54 AND C56 IN EARLIEST CONFIGURATIONS. C58 ADDED IN EARLY CONFIGURATIONS, C49,C52,C53,C54,C56 AND C58 DELETED IN LATER CONFIGURATIONS/	1	
	CK60BX6R8K	B	CAPACITOR /VALUE SELECTED AT TEST, TAILOR POINT FOR C49,C52, C53,C54 AND C56 IN EARLIEST CONFIGURATIONS. C58 ADDED IN EARLY CONFIGURATIONS, C49,C52,C53,C54,C56 AND C58 DELETED IN LATER CONFIGURATIONS/	1	
	CK60BX100K	B	CAPACITOR /VALUE SELECTED AT TEST, TAILOR POINT FOR C52,C53, C54 AND C56 IN EARLIEST CONFIGURATIONS. C58 ADDED IN EARLY CONFIGURATIONS, C52,C53,C54,C56 AND C58 DELETED IN LATER CONFIGURATIONS/	1	
	CK60BX150K	B	CAPACITOR /VALUE SELECTED AT TEST, TAILOR POINT FOR C52,C53, C54 AND C56 IN EARLIEST CONFIGURATIONS. C58 ADDED IN EARLY CONFIGURATIONS, C52,C53,C54,C56 AND C58 DELETED IN LATER CONFIGURATIONS/	1	
- 3A	509457-1	B	RESISTOR /TAILOR POINT ADDED IN LATER CONFIGURATIONS/	1	
- 4	515332-1	B	TRANSISTOR, NPN, SILICON	1	
	MS35338-42	B	ATTACHING PARTS	1	
		B	WASHER	1	
- 5	8006159-1	B	COIL /SELECT VALUE AT TEST, TAILOR POINT FOR Z4, ADDED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
	8006159-2	B	COIL /SELECT VALUE AT TEST, TAILOR POINT FOR Z4, ADDED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
	8006159-3	B	COIL /SELECT VALUE AT TEST, TAILOR POINT FOR Z4, ADDED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
	8006159-4	B	COIL /SELECT VALUE AT TEST, TAILOR POINT FOR Z4, ADDED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
	8006159-5	B	COIL /SELECT VALUE AT TEST, TAILOR POINT FOR Z4, ADDED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
- 6	515338-1	B	TRANSISTOR, NPN, SILICON	2	
	MS35338-42	B	ATTACHING PARTS	2	
		B	WASHER	2	
- 7	8102535-1	B	LUG, TERMINAL, LOCKING	1	
	MS35206-213	B	ATTACHING PARTS	1	
		B	SCREW	1	
- 8	502060-1	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
	MS35338-43	B	ATTACHING PARTS	1	
		B	WASHER /ADDED IN LATER CONFIGURATIONS/	1	
- 9	8006115-1	B	STRAP, GROUND	1	
	8004936G1	B	CIRCUIT CARD ASSEMBLY, DRIVER, UHF	1	
		B	ATTACHING PARTS	1	
	MS35206-213	B	SCREW	5	
	MS27183-3	B	WASHER	5	
	MS35338-40	B	WASHER	5	
- 10	RCR32G270JR	C	RESISTOR	1	
- 11	501171-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, STANDOFF	8	
- 12	501365-19	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS	4	
- 13	8003244G5	C	COIL, COLLECTOR	1	
- 14	RCR07G470JR	C	RESISTOR	2	
- 15	CK60RX6R8K	C	CAPACITOR /ALTERNATE PART 501240-10/	2	
- 16	501365-6	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS	1	
- 17	8005646-1	C	COIL, 20 NH	3	
- 18	501195-6	C	CAPACITOR, FIXED, CERAMIC, CHIP	2	
- 19	CK60AW102M	C	CAPACITOR /ALTERNATE PART 501240-58/	1	
- 20	8005613-1	C	COIL, 15 NH	1	
- 21	RCR20G330JR	C	RESISTOR	2	
- 22	RCR32G222JR	C	RESISTOR	1	
- 23	8006088-2	C	COIL	1	
- 24	501195-16	C	CAPACITOR, FIXED, CERAMIC, CHIP	1	
- 25	RCR07G5R6JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	509405-1	C	RESISTOR, FIXED, COMPOSITION /USED IN LATER CONFIGURATIONS/	1	
- 26	509405-1	C	RESISTOR, FIXED, COMPOSITION /ADDED IN LATER CONFIGURATIONS/	1	
- 27	RCR07G101JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 28	CK60BX100K	C	CAPACITOR /ALTERNATE PART 501240-13/	1	

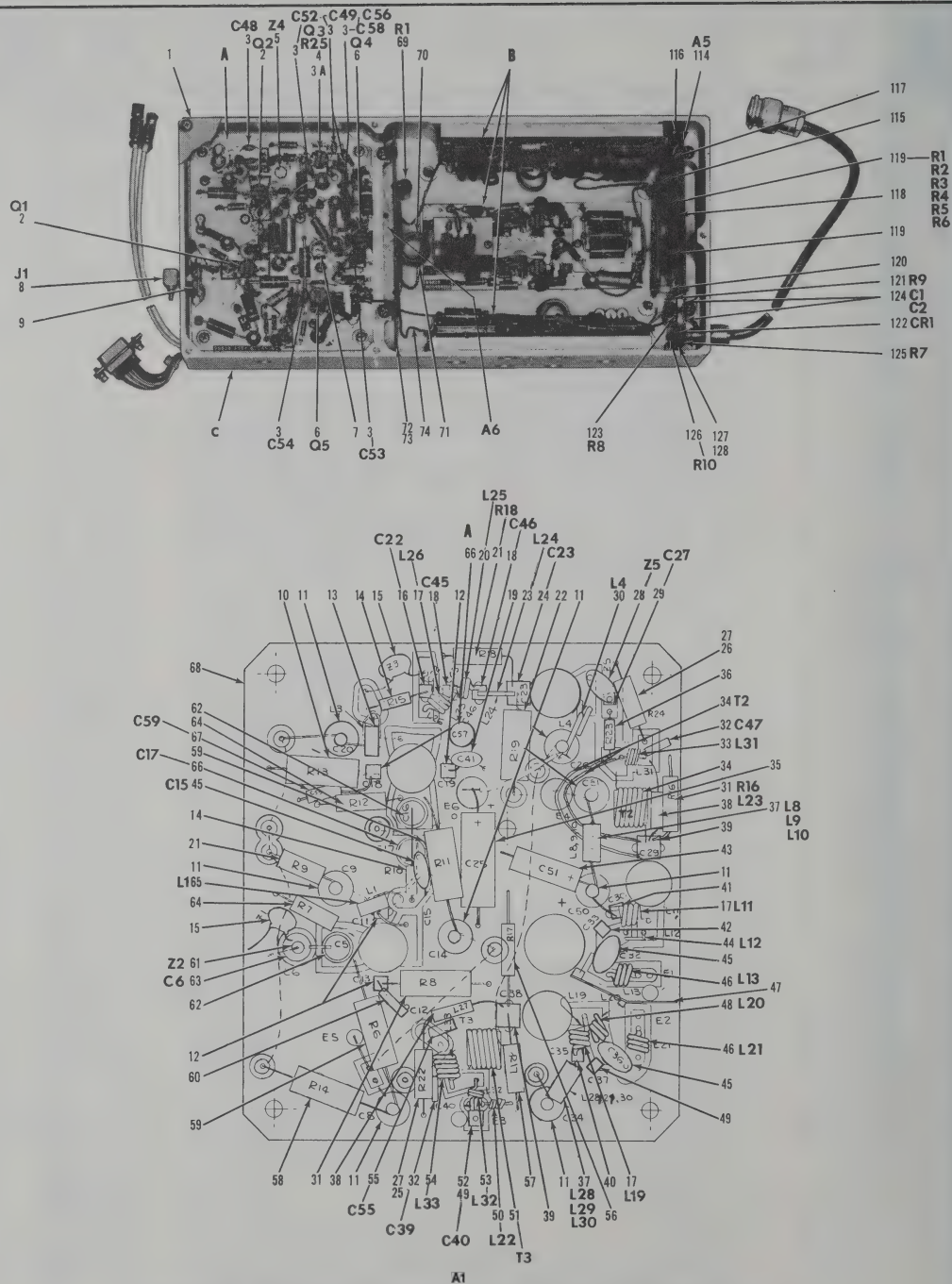


Figure 12. Amplifier, Driver/Power, RF, UHF, 1A10 (Sheet 1 of 2)

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
12- 29	501365-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGURATIONS, PART DELETED IN LATER CONFIGURATIONS/	1	
- 30	8005643G1	C	COIL, RF /USED IN EARLY CONFIGURATIONS/	1	
- 31	8005782-1	C	COIL, RF /USED IN LATER CONFIGURATIONS/	1	
- 31	RCR32G390JR	C	RESISTOR /R16 DELETED IN LATER CONFIGURATIONS/	2	
- 32	CM04ED560J03	C	CAPACITOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 33	8006783-1	C	COIL, RF /USED IN LATER CONFIGURATIONS/	1	
- 34	8006761G1	C	COIL, TRANSFORMER /T2 CONSISTS OF 8006761G1 AND 8006761G2, USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	1	
	8006761G2	C	COIL, TRANSFORMER /T2 CONSISTS OF 8006761G1 AND 8006761G2, USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	1	
	8006773-1	C	COIL, TRANSFORMER /ADDED IN LATER CONFIGURATIONS/	1	
- 35	M39003-01-2306	C	CAPACITOR	1	
- 36	RCR07G2R7JS	C	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 37	512134-1	C	SHIELD, RF INTERFERENCE, BEAD TYPE	6	
- 38	MS75008-21	C	COIL /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 39	501195-1	C	CAPACITOR, FIXED, CERAMIC, CHIP /USED IN EARLY CONFIGURATIONS/	2	
	501195-16	C	CAPACITOR, FIXED, CERAMIC, CHIP /USED IN LATER CONFIGURATIONS/	2	
- 40	501196-120	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 41	501365-25	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS /USED IN EARLY CONFIGURATIONS/	1	
	501196-120	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /USED IN LATER CONFIGURATIONS/	1	
- 42	501196-60	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /USED IN EARLY CONFIGURATIONS/	1	
	501196-64	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /USED IN LATER CONFIGURATIONS/	1	
- 43	M39003-01-2368	C	CAPACITOR	1	
- 44	8004915-1	C	COIL /USED IN EARLY CONFIGURATIONS/	1	
	8006781-1	C	COIL /USED IN LATER CONFIGURATIONS/	1	
- 45	CK608X150K	C	CAPACITOR /ALTERNATE PART 501240-16/	3	
- 46	8005647-1	C	COIL, 20 NH	2	
- 47	8007539-1	C	SHIELD, RF /ADDED IN LATER CONFIGURATIONS/	1	
- 48	8004915-1	C	COIL	1	
- 49	501196-58	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /C40 DELETED IN LATER CONFIGURATIONS/	2	
- 50	8005647-2	C	INDUCTOR /USED IN EARLY CONFIGURATIONS, PART DELETED IN LATER CONFIGURATIONS/	1	
- 51	8006143G1	C	COIL, TRANSFORMER /T3 CONSISTS OF 8006143G1 AND 8006143G3, USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	1	
	8006143G3	C	COIL, TRANSFORMER /T3 CONSISTS OF 8006143G1 AND 8006143G3, USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	1	
	8006773-2	C	COIL, TRANSFORMER /ADDED IN LATER CONFIGURATIONS/	1	
- 52	501196-62	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /ADDED IN LATER CONFIGURATIONS/	1	
- 53	8006785-1	C	COIL /ADDED IN LATER CONFIGURATIONS/	1	
- 54	8006784-1	C	COIL /ADDED IN LATER CONFIGURATIONS/	1	
- 55	501365-33	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS /USED IN EARLY CONFIGURATIONS, PART DELETED IN LATER CONFIGURATIONS/	1	
- 56	RCR32G390JR	C	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
- 57	RCR20G100JS	C	RESISTOR /REPLACED 12-56 IN EARLY CONFIGURATIONS/	1	
	RCR32G100JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 58	RCR32G100JR	C	RESISTOR	1	
- 59	RCR32G102JR	C	RESISTOR	2	
- 60	501170-12	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGURATIONS/	1	
	CK06BX104K	C	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
- 61	8005648-1	C	INDUCTOR	1	
- 62	501191-3	C	CAPACITOR, FIXED, CERAMIC	2	
- 63	501191-4	C	CAPACITOR, FIXED, CERAMIC	1	
- 64	RCR20G331JR	C	RESISTOR	2	
- 65	8003244G8	C	COIL, TRANSFORMER	1	
- 66	501191-1	C	CAPACITOR, FIXED, CERAMIC /C57 DELETED IN LATER CONFIGURATIONS/	2	
- 67	M39003-01-2283	C	CAPACITOR /ADDED IN LATER CONFIGURATIONS, DELETED IN LATEST CONFIGURATIONS/	1	
- 68	8004950-1	C	PRINTED WIRING BOARD	1	
	8004894G1	B	HYBRID	1	
			ATTACHING PARTS		
	MS35206-226	B	SCREW	2	
	MS35338-41	B	WASHER	2	
- 69	RC42GF101J	C	RESISTOR	1	
- 70	8006092-1	C	CABLE, RF	1	
- 71	8006092-2	C	CABLE, RF	1	
	8004902G1	C	PRINTED WIRING BOARD	1	
- 72	8004909-1	D	BRACKET, MOUNTING	2	
			ATTACHING PARTS		
	MS16535-133	D	RIVET	2	



**CONFIGURATION**  
A2,A3,A4



## CONFIGURATION



**Figure 12. Amplifier, Driver/Power; RF, UHF, 1A10 (Sheet 2 of 2)**

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
12 - 73	8004902-1	D	PRINTED WIRING BOARD	1	
- 74	413710-12	B	CABLE, COAXIAL	AR	
	8004892G1	B	AMPLIFIER, POWER /SOURCE CONTROL DWG 500190-1/ ATTACHING PARTS	3	
	MS35206-227	B	SCREW	12	
	MS35206-228	B	SCREW	6	
	MS35338-41	B	WASHER	18	
	8005584G1	C	RESISTOR ASSEMBLY, AMPLIFIER, POWER ATTACHING PARTS	1	
	MS35206-207	C	SCREW	2	
	MS35206-2	C	WASHER	2	
	MS35338-39	C	WASHER	2	
- 75	RC32GF151J	D	RESISTOR	3	
- 76	8005582-1	D	PRINTED WIRING BOARD	1	
- 77	RCR07G5R6JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 78	504736-1	C	HYBRID, RF, 2 WAY COMBINER	1	
- 79	RCR20G101JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	2	
	RCR07G5R6JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	2	
- 80	CM04ED560J03	C	CAPACITOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 81	CK60BX150K	C	CAPACITOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 82	8005665G1	C	RESONATOR, L-C ASSEMBLY /ADDED IN LATER CONFIGURATIONS/	2	
- 83	MS18130-1	C	COIL	2	
- 84	8006143G1	C	COIL, TRANSFORMER /T1 CONSISTS OF 8006143G1 AND 8006143G2, USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGU- RATIONS/	1	
	8006143G2	C	COIL, TRANSFORMER /T1 CONSISTS OF 8006143G1 AND 8006143G2, USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGU- RATIONS/	1	
- 85	8006773-1	C	COIL, TRANSFORMER /ADDED IN LATER CONFIGURATIONS/	1	
	501191-2	C	CAPACITOR, FIXED, CERAMIC /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 86	501191-1	C	CAPACITOR, FIXED, CERAMIC /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 87	501365-25	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGU- RATIONS/	2	
- 88	501191-9	C	CAPACITOR, FIXED, CERAMIC /ADDED IN LATER CONFIGURATIONS/	4	
- 89	8006143G1	C	COIL, TRANSFORMER, T2 CONSISTS OF 8006143G1 AND 8006143G2 /USED IN EARLY CONFIGURATIONS/	1	
	8006143G2	C	COIL, TRANSFORMER, T2 CONSISTS OF 8006143G1 AND 8006143G2 /USED IN EARLY CONFIGURATIONS/	1	
- 90	8006773-2	C	COIL, TRANSFORMER /ADDED IN LATER CONFIGURATIONS/	1	
	CK60BX6R8K	C	CAPACITOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 91	CK60BX100K	C	CAPACITOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 92	8005666-1	C	CAPACITOR /ADDED IN LATER CONFIGURATIONS/	2	
- 93	CK60BX4R7K	C	CAPACITOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 94	515338-1	C	TRANSISTOR, NPN, SILICON ATTACHING PARTS	2	
	MS25082-2	C	NUT /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGU- RATIONS/	2	
	MS35333-38	C	WASHER	2	
- 95	8005629-1	C	SHORTING STRAP /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	2	
- 96	8005613-1	C	COIL, RF /USED IN EARLY CONFIGURATIONS/	2	
	8006088-4	C	RESONANT, L-C /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	2	
- 97	8005612-1	C	COIL, RF /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
- 98	8006774-1	C	INDUCTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 99	8005590-1	C	COIL, 20 NH	2	
-100	8005666-3	C	RESONANT, L-C /ADDED IN LATER CONFIGURATIONS/	1	
-101	CM04CD120J03	C	CAPACITOR /USED IN EARLY CONFIGURATIONS, PARTS DELETED IN LATER CONFIGURATIONS/	2	
-102	8005666-6	C	RESONANT, L-C /ADDED IN LATER CONFIGURATIONS/	1	
-103	512134-1	C	SHIELD, RF INTERFERENCE, BEAD TYPE	3	
-104	504736-1	C	HYBRID, RF, 2 WAY COMBINER ATTACHING PARTS	1	
	MS35206-206	C	SCREW	2	
	MS35338-39	C	WASHER	2	
-105	RC42GF151J	C	RESISTOR	3	
-106	514260-4	C	TERMINAL, LUG TYPE	1	
-107	M39003-01-2306	C	CAPACITOR	1	
-108	501171-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, STANDOFF	1	
-109	8005666-5	C	RESONANT, L-C /ADDED IN LATER CONFIGURATIONS/	1	
-110	8005666-4	C	RESONANT, L-C /ADDED IN LATER CONFIGURATIONS/	1	

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
12-111	501171-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, STANDOFF /USED IN EARLY CONFIGURATIONS/	1	
	501191-8	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN LATER CONFIGURATIONS/	1	
-112	8004898-1	C	PRINTED WIRING BOARD	1	
-113	8004887-1	C	HEATSINK	1	
-114	8004893G1	B	HYBRID/DETECTOR ASSEMBLY	1	
			ATTACHING PARTS		
	MS35206-226	B	SCREW	2	
	MS35338-41	B	WASHER	2	
			-----		
-115	8004926G1	C	CABLE, RF	1	
-116	8004924-1	C	CABLE, RF	1	
-117	8004923-1	C	CABLE, RF	1	
-118	8004925-1	C	CABLE, RF	1	
-119	RC42GF750J	C	RESISTOR	6	
-120	SE099E01	C	TERMINAL	1	
			ATTACHING PARTS		
	MS35649-242	C	NUT	1	
	MS27183-3	C	WASHER	1	
	MS35338-40	C	WASHER	1	
			-----		
-121	RCR07G122JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
	RCR07G561JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
-122	511785-1	C	SEMICONDUCTOR DEVICE, DIODE, HOT CARRIER	1	
-123	RCR07G222JR	C	RESISTOR	1	
-124	501171-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, STANDOFF	2	
-125	RCR07G562JR	C	RESISTOR	1	
-126	RCR07G391JR	C	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
	8004900G1	C	PRINTED WIRING BOARD	1	
-127	8004909-1	D	BRACKET, MOUNTING	2	
			ATTACHING PARTS		
	MS16535-133	D	RIVET	2	
			-----		
-128	8004900-1	D	PRINTED WIRING BOARD	1	
-129	502082-6	B	CONNECTOR, PLUG, ELECTRICAL	1	
-130	8006114-1	B	TERMINATION, COAXIAL CABLE /USED IN EARLY CONFIGURATIONS/	1	
	514286-1	B	TERMINATION, COAXIAL CABLE /USED IN LATER CONFIGURATIONS/	1	
-131	RG142BU	B	CABLE, RF	AR	
-132	UG1465U	B	CONNECTOR	2	
-133	516665-7	B	MARKER, TUBING, HEAT SHRINKABLE	1	
-134	516665-8	B	MARKER, TUBING, HEAT SHRINKABLE	1	
-135	501197-1	B	CABLE, RF	AR	
-136	502056-301	B	RETAINER, ELECTRICAL CONNECTOR	2	
-137	502056-401	B	CONTACT, ELECTRICAL	8	
-138	502056-101	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
-139	MS25281R4	B	CLAMP	1	
			ATTACHING PARTS		
	MS35206-228	B	SCREW	1	
	MS27183-5	B	WASHER	1	
	MS35338-41	B	WASHER	1	
			-----		
-140	8102535-2	B	LUG, TERMINAL, LOCKING	1	
			ATTACHING PARTS		
	MS35206-225	B	SCREW	1	
			-----		
-141	8006123-1	B	ADAPTER	2	
			ATTACHING PARTS		
	MS35333-39	B	WASHER	2	
			-----		
-142	8006104-1	B	FILTER, EMI, LOWPASS /USED IN EARLY CONFIGURATIONS/	2	
	501175-2	B	FILTER, EMI, LOW PASS, FEED-THRU /USED IN LATER CONFIGURATIONS/	2	
			ATTACHING PARTS		
	MS35338-42	B	WASHER	5	
			-----		
-143	501175-1	B	FILTER, EMI, LOW PASS, FEED-THRU	3	
-144	8006064-1	B	CLAMP, CABLE	1	
			ATTACHING PARTS		
	MS35206-212	B	SCREW	1	
	MS35338-40	B	WASHER	1	
			-----		
-145	RCR07G334JR	B	RESISTOR	1	
-146	SE109D01	B	TERMINAL	1	
			ATTACHING PARTS		
	MS35206-213	B	SCREW	1	
	MS35338-40	B	WASHER	1	
			-----		
-147	RW21V4R7	B	RESISTOR	1	
			ATTACHING PARTS		
	MS35206-246	B	SCREW	2	
	MS35338-42	B	WASHER	2	
			-----		
	8004905G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
-148	MS1209F1-15	C	INSERT	7	
-149	8004905-1	C	HOUSING, DRIVER	1	



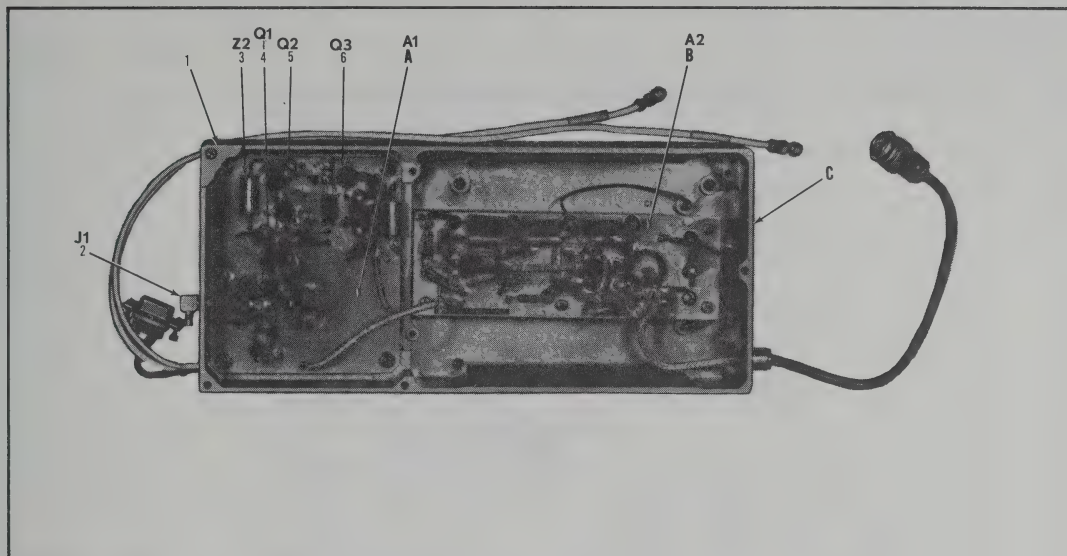


Figure 13. Amplifier, Driver/Power, RF, VHF, 1A10 (Sheet 1 of 2)

FIGURE AND INDEX NUMBER	PART NUMBER	INDEX	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
13 -	8006081G1	A	AMPLIFIER, DRIVER/POWER, RF, VHF /SEE FIGURE 2 FOR NHA/	REF	B
- 1	8004904-1	B	COVER	1	
		B	ATTACHING PARTS		
	MS35206-226	B	SCREW	4	
	MS27183-5	B	WASHER	4	
	MS35338-41	B	WASHER	4	
- 2	502060-1	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
		B	ATTACHING PARTS		
	MS35338-43	B	WASHER /ADDED IN LATER CONFIGURATIONS/	1	
- 3	8006160-1	B	INDUCTOR, RESISTOR /SELECTED VALUE AT TEST, TAILOR POINT, Z2	1	
		B	ADDED IN LATER CONFIGURATIONS/		
	8006160-2	B	INDUCTOR, RESISTOR /SELECTED VALUE AT TEST, TAILOR POINT, Z2	1	
		B	ADDED IN LATER CONFIGURATIONS/		
	8006160-3	B	INDUCTOR, RESISTOR /SELECTED VALUE AT TEST, TAILOR POINT, Z2	1	
		B	ADDED IN LATER CONFIGURATIONS/		
	8006160-4	B	INDUCTOR, RESISTOR /SELECTED VALUE AT TEST, TAILOR POINT, Z2	1	
		B	ADDED IN LATER CONFIGURATIONS/		
	8006160-5	B	INDUCTOR, RESISTOR /SELECTED VALUE AT TEST, TAILOR POINT, Z2	1	
		B	ADDED IN LATER CONFIGURATIONS/		
- 4	515337-1	B	TRANSISTOR, NPN, SILICON	1	
		B	ATTACHING PARTS		
	MS35338-42	B	WASHER	1	
- 5	511810-1	B	TRANSISTOR, NPN, RF POWER	1	
		B	ATTACHING PARTS		
	MS35338-42	B	WASHER	1	
- 6	511824-2	B	TRANSISTOR, NPN, RF POWER	1	
		B	ATTACHING PARTS		
	MS35338-42	B	WASHER	1	
		B	ATTACHING PARTS		
	8006070G1	B	CIRCUIT CARD ASSEMBLY, DRIVER, VHF	1	
		B	ATTACHING PARTS		
	MS35206-213	B	SCREW	5	
	MS27183-3	B	WASHER	5	
	MS35338-40	B	WASHER	5	
- 7	501170-12	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY	2	
		C	CONFIGURATIONS/		
	CK068X104K	C	CAPACITOR /USED IN LATER CONFIGURATIONS/	2	
- 8	8006089G2	C	COIL ASSEMBLY	1	
- 9	RCR07G201JR	C	RESISTOR	2	
- 10	501196-94	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	

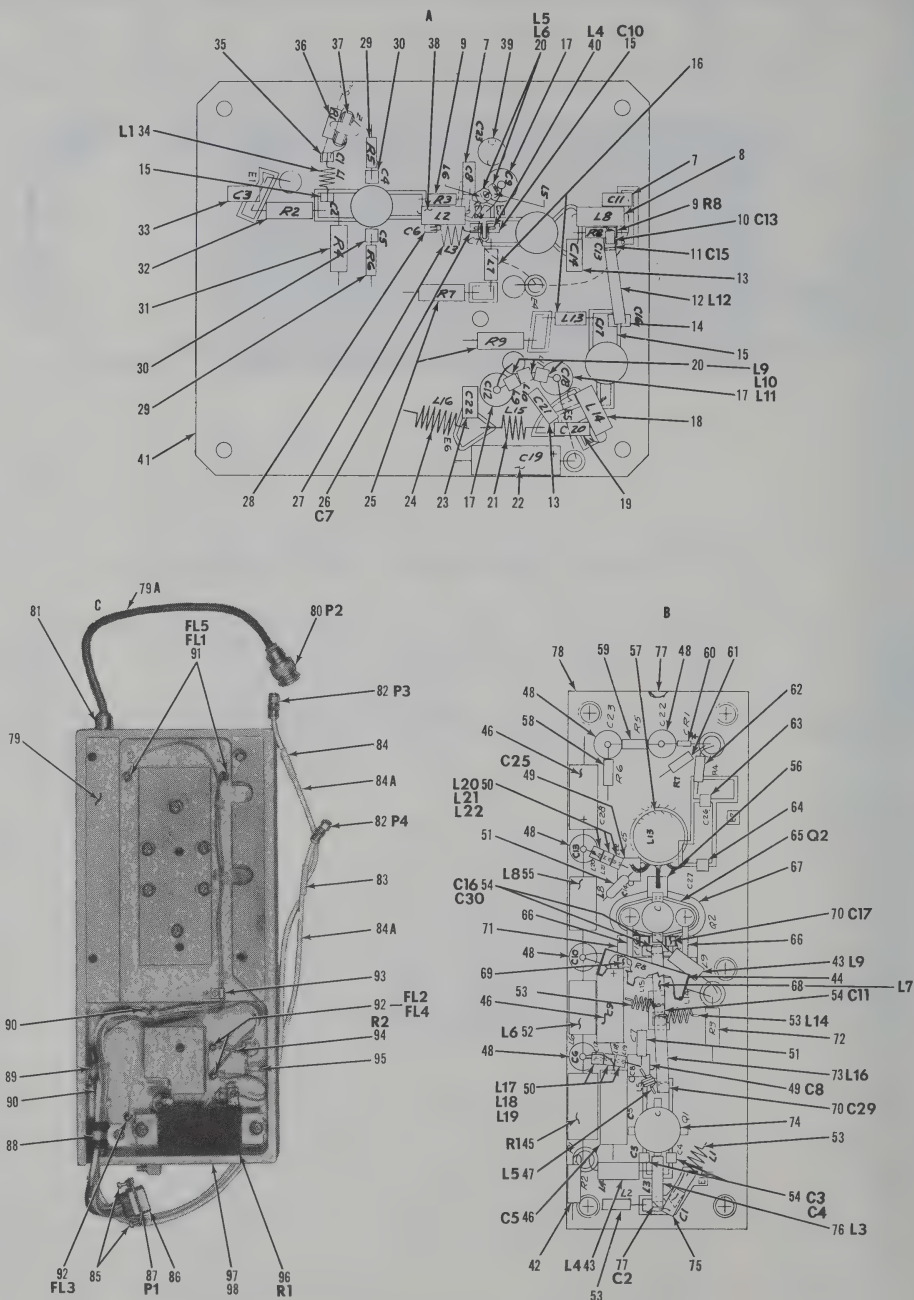


Figure 13. Amplifier, Driver/Power, RF, VHF, 1A10 (Sheet 2 of 2)

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
13 - 11	501196-82	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 12	8006111-1	C	COIL	1	
- 13	CK608X100K	C	CAPACITOR /ALTERNATE PART 501240-13/	2	
- 14	501196-92	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 15	501196-106	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	3	
- 16	8006086G1	C	CHOKER, RF	2	
- 17	501171-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, STANDOFF	3	
- 18	8006089G3	C	COIL ASSEMBLY	1	
- 19	CK608X101K	C	CAPACITOR /ALTERNATE PART 501240-31/	1	
- 20	512134-1	C	SHIELD, RF INTERFERENCE, BEAD TYPE	5	
- 21	8006110-1	C	COIL	1	
- 22	M39003-01-2374	C	CAPACITOR	1	
- 23	CK608X220K	C	CAPACITOR /ALTERNATE PART 501240-19/	1	
- 24	8006110-2	C	COIL	1	
- 25	RCR20G100JR	C	RESISTOR	2	
- 26	501196-86	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 27	8006110-4	C	COIL	1	
- 28	501196-72	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 29	RCR07G560JR	C	RESISTOR	2	
- 30	501365-25	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS	2	
- 31	RCR20G391JR	C	RESISTOR	1	
- 32	RCR20G162JR	C	RESISTOR	1	
- 33	CK604W102M	C	CAPACITOR /ALTERNATE PART 501240-58/	1	
- 34	8006110-5	C	COIL	1	
- 35	501196-76	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 36	RCR07G330JR	C	RESISTOR	1	
- 37	8005630G4	C	RESONANT ASSEMBLY	1	
- 38	8006089G1	C	COIL ASSEMBLY	1	
- 39	501191-3	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /ADDED IN LATER CONFIG- URATIONS/	1	
- 40	8006088-1	C	COIL	1	
- 41	8006071-1	C	PRINTED WIRING BOARD	1	
	8006074G1	B	AMPLIFIER, POWER /SOURCE CONTROL DWG 500190-2/ ATTACHING PARTS	1	
	MS35206-229	B	SCREW	6	
	MS35338-41	B	WASHER	6	
			-----		
- 42	RCR20G100JS	C	RESISTOR	1	
- 43	MS75008-21	C	COIL	2	
- 44	RW67V271	C	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 45	RC42G102J	C	RESISTOR	1	
- 46	M39003-01-2306	C	CAPACITOR	3	
- 47	8006098-1	C	COIL /USED IN EARLY CONFIGURATIONS/	1	
	8006772-1	C	COIL /USED IN LATER CONFIGURATIONS/	1	
- 48	501171-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, STANDOFF	5	
- 49	501365-33	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS	2	
- 50	512134-1	C	SHIELD, RF INTERFERENCE, BEAD TYPE /ADDED IN LATER CONFIG- URATIONS/	6	
- 51	501170-12	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGU- RATIONS/	2	
	CK608X104K	C	CAPACITOR /USED IN LATER CONFIGURATIONS/	2	
- 52	8006099G1	C	CHOKER, RF	1	
- 53	8006097-1	C	COIL /WAS L1 AND L2 IN EARLY CONFIGURATIONS, CHANGED TO L1, L14 AND L15 IN LATER CONFIGURATIONS/	3	
- 54	501196-89	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /C11 AND C30 ADDED IN LATER CONFIGURATIONS/	5	
	501196-90	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /WAS C11 IN EARLY CON- FIGURATIONS/	1	
- 55	8006099G2	C	CHOKER, RF	1	
- 56	8006096-1	C	SPACER	1	
- 57	8006126-1	C	COIL	1	
- 58	RCR07G152JS	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G821JS	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 59	RCR07G222JS	C	RESISTOR	1	
- 60	511785-1	C	SEMICONDUCTOR DEVICE, DIODE, HOT CARRIER	1	
- 61	RCR07G271JS	C	RESISTOR	1	
- 62	RCR07G123JS	C	RESISTOR	1	
- 63	501196-86	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 64	501196-76	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC	1	
- 65	515343-1	C	TRANSISTOR, NPN, SILICON	1	
			ATTACHING PARTS		
	MS35206-213	C	SCREW /USED IN EARLY CONFIGURATIONS/	2	
	MS35206-215	C	SCREW /USED IN LATER CONFIGURATIONS/	2	
	MS35338-40	C	WASHER	2	
			-----		
- 66	514260-9	C	TERMINAL, LUG TYPE	2	
- 67	8006094-1	C	COVER, GROUND, TRANSISTOR	1	
- 68	8006100-5	C	COIL /USED IN EARLY CONFIGURATIONS/	1	
	8006100-6	C	COIL /USED IN LATER CONFIGURATIONS/	1	
- 69	8006095-1	C	STRAP, GROUND	1	
- 70	501196-92	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /C29 ADDED IN LATER CONFIGURATIONS/	2	
- 71	8006102-1	C	SPACER	1	
- 72	RCR20G4R7JS	C	RESISTOR	1	
- 73	8006100-7	C	COIL /ADDED IN LATER CONFIGURATIONS/	1	
	501196-82	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /USED IN EARLY CONFIG- URATIONS, PART DELETED IN LATER CONFIGURATIONS/	1	



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
13- 74	515342-1	C	TRANSISTOR, NPN, SILICON ATTACHING PARTS	1	
	MS35649-282	C	NUT	1	
	MS35338-42	C	WASHER	1	
			---*---		
- 75	CK608X680M	C	CAPACITOR /ALTERNATE PART 501240-28/	1	
- 76	8006100-4	C	COIL	1	
- 77	501196-80	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /USED IN EARLY CONFIG- URATIONS/	1	
	501196-84	C	CAPACITOR, CHIP, PORCELAIN DIELECTRIC /USED IN LATER CONFIG- URATIONS/	1	
- 78	8006075-1	C	PRINTED WIRING BOARD ATTACHING PARTS	1	
	MS35206-213	C	SCREW	5	
	MS27183-3	C	WASHER	5	
	MS35338-40	C	WASHER	5	
			---*---		
- 79	8006078-1	C	HEATSINK	1	
- 79A	RG1428U	B	CABLE, RF	AR	
- 80	502082-6	B	CONNECTOR, PLUG, ELECTRICAL	1	
- 81	8006114-1	B	ADAPTER, RETAINER	1	
	514286-1	B	TERMINATION, COAXIAL CABLE	1	
- 82	UG1465U	B	CONNECTOR	2	
- 83	516665-7	B	MARKER, TUBING, HEAT SHRINKABLE	1	
- 84	516665-8	B	MARKER, TUBING, HEAT SHRINKABLE	1	
- 84A	501197-1	B	CABLE, RF	AR	
- 85	502056-301	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 86	502056-401	B	CONTACT, ELECTRICAL	8	
- 87	502056-101	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 88	MS25281R4	B	CLAMP	1	
			ATTACHING PARTS		
	MS35206-228	B	SCREW	1	
	MS27183-5	B	WASHER	1	
	MS35338-41	B	WASHER	1	
			---*---		
- 89	8102535-2	B	LUG, TERMINAL, LOCKING ATTACHING PARTS	1	
	MS35206-225	B	SCREW	1	
- 90	8006123-1	B	ADAPTER ATTACHING PARTS	2	
	MS35333-39	B	WASHER	2	
			---*---		
- 91	8006104-1	B	FILTER, EMI, LOWPASS /USED IN EARLY CONFIGURATIONS/	2	
	501175-2	B	FILTER, EMI, LOW PASS, FEED-THRU /USED IN LATER CONFIGURA- TIONS/	2	
			ATTACHING PARTS		
	MS35338-42	B	WASHER	5	
			---*---		
- 92	501175-1	B	FILTER, EMI, LOW PASS, FEED-THRU	3	
- 93	501910-1	B	CLAMP, MECHANICAL ATTACHING PARTS	1	
	MS35206-212	B	SCREW	1	
	MS35338-40	B	WASHER	1	
			---*---		
- 94	RCR07G334JR	B	RESISTOR	1	
- 95	SE109D01	B	TERMINAL ATTACHING PARTS	1	
	MS35206-213	B	SCREW	1	
	MS35338-40	B	WASHER	1	
			---*---		
- 96	RW21V100	B	RESISTOR ATTACHING PARTS	1	
	MS35206-246	B	SCREW	2	
	MS35338-42	B	WASHER	2	
			---*---		
	8006080G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 97	MS21209F1-15	C	INSERT	7	
- 98	8006080-1	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
14 -	8004224G1	A	QUADRUPLER, RF, UHF, /SEE FIGURE 2 FOR NHA/	REF	A
- 1	8004619-1	B	COVER, TOP	1	
- 2	UG1464U	B	CONNECTOR /USED IN EARLY CONFIGURATIONS/	1	
	M39012-77-0002	B	CONNECTOR /USED IN LATER CONFIGURATIONS/	1	
- 3	8102535-4	B	LUG, TERMINAL, LOCKING	1	
- 4	UG1466U	B	CONNECTOR /USED IN EARLY CONFIGURATIONS/	1	
	UG1465U	B	CONNECTOR /USED IN LATER CONFIGURATIONS/	1	
- 5	502056-301	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 6	502056-101	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 7	8004961-1	B	RETAINER, SHIELD /ADDED IN LATER CONFIGURATIONS/ ATTACHING PARTS	1	



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
14-	MS35333-39	B	WASHER	1	
	MS25082-12	B	NUT	1	
			-----*		
- 8	502056-401	B	CONTACT, ELECTRICAL	4	
- 9	MS35489-4	B	GROMMET	1	
- 10	MS35206-251	B	SCREW	2	
- 11	MS27183-7	B	WASHER	2	
- 12	MS35338-42	B	WASHER	2	
- 13	517689-1	B	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	2	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	2	
- 14	8007531-1	B	SPRING, FINGER /ADDED IN LATER CONFIGURATIONS/	2	
- 15	504856-2	B	EXTENSION, SHAFT	3	
	800434461	B	QUADRUPLER, RF	1	
			ATTACHING PARTS		
	MS35206-213	B	SCREW	5	
	MS27183-3	B	WASHER	5	
	MS35338-40	B	WASHER	5	
			-----*		
- 16	CK60AW102M	C	CAPACITOR /ALTERNATE PART 501240-58/	14	
- 17	RCR07G361JR	C	RESISTOR	2	
- 18	MS75008-40	C	COIL, RF /USED IN EARLY CONFIGURATIONS/	1	
	MS75008-24	C	COIL, RF /USED IN LATER CONFIGURATIONS/	1	
- 19	RCR07G822JR	C	RESISTOR	2	
- 20	MS75008-28	C	COIL, RF	4	
- 21	501171-1	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC, STANDOFF	6	
- 22	RCR07G620JR	C	RESISTOR /ADDED IN LATER CONFIGURATIONS, DELETED IN LATEST CONFIGURATIONS/	1	
	RCR07G121JS	C	RESISTOR /USED IN LATEST CONFIGURATIONS/	1	
- 23	501170-12	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGURATIONS/	2	
	CK068X104K	C	CAPACITOR /USED IN LATER CONFIGURATIONS/	2	
- 24	RCR07G152JR	C	RESISTOR	1	
- 25	RCR07G103JR	C	RESISTOR	1	
- 26	RCR07G203JR	C	RESISTOR	1	
- 27	JAN2N697	C	TRANSISTOR	1	
- 28	RCR07G220JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS, R22 DELETED IN LATER CONFIGURATIONS/	2	
- 29	CK60AX471K	C	CAPACITOR /ALTERNATE PART 501240-43/	4	
- 30	MS75008-23	C	COIL, RF /USED IN EARLY CONFIGURATIONS/	1	
	MS75008-22	C	COIL, RF /USED IN LATER CONFIGURATIONS/	1	
	RCR07G470JR	C	RESISTOR /USED IN LATEST CONFIGURATIONS/	1	
- 31	511785-2	C	SEMICONDUCTOR DEVICE, DIODE, HOT CARRIER	1	
- 32	RCR07G823JR	C	RESISTOR	1	
- 33	MS75008-40	C	COIL, RF /ADDED IN LATER CONFIGURATIONS/	1	
- 34	RCR07G301JR	C	RESISTOR /R25 DELETED IN LATER CONFIGURATIONS/	2	
- 35	RCR07G180JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
- 36	RCR07G823JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G683JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
	RCR07G563JS	C	RESISTOR /USED IN LATEST CONFIGURATIONS/	1	
- 37	JAN1N914	C	SEMICONDUCTOR DEVICE, DIODE	2	
- 38	RCR07G100JR	C	RESISTOR	3	
- 39	RV64AYS103A	C	RESISTOR	1	
- 40	JAN2N2222A	C	TRANSISTOR	1	
- 41	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	1	
	8004789G1	C	CAPACITOR ASSEMBLY	3	
			ATTACHING PARTS		
	MS35333-74	C	WASHER	3	
			-----*		
- 42	8004779-1	D	COIL, RF	1	
- 43	501185-9	D	CAPACITOR, VARIABLE, AIR DIELECTRIC	1	
- 44	511800-1	C	TRANSISTOR, NPN, POWER	3	
- 45	RCR07G100JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G5R1JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 46	RCR07G221JR	C	RESISTOR	1	
- 47	RCR07G511JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G821JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
	8004945G1	C	SHIELD ASSEMBLY	1	
- 48	8004776-1	D	SHIELD, RF	2	
- 49	8004775-1	D	PLATE, MOUNTING	1	
	8004421G1	C	PRINTED WIRING BOARD	1	
- 50	514266-302	D	TERMINAL, UNINSULATED	1	
- 51	501909-1	D	CLIP, SPRING	3	
			ATTACHING PARTS		
	MS16535-64	D	RIVET	3	
			-----*		
- 52	8004421-1	D	PRINTED WIRING BOARD	1	
- 52A	RG188AU	B	CABLE, RF	AR	
	8004778G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 53	505127-43	C	STANDOFF, THREADED	5	
- 54	8004750-1	C	LUG, MOUNTING	2	
			ATTACHING PARTS		
	MS16535-133	C	RIVET	8	
			-----*		



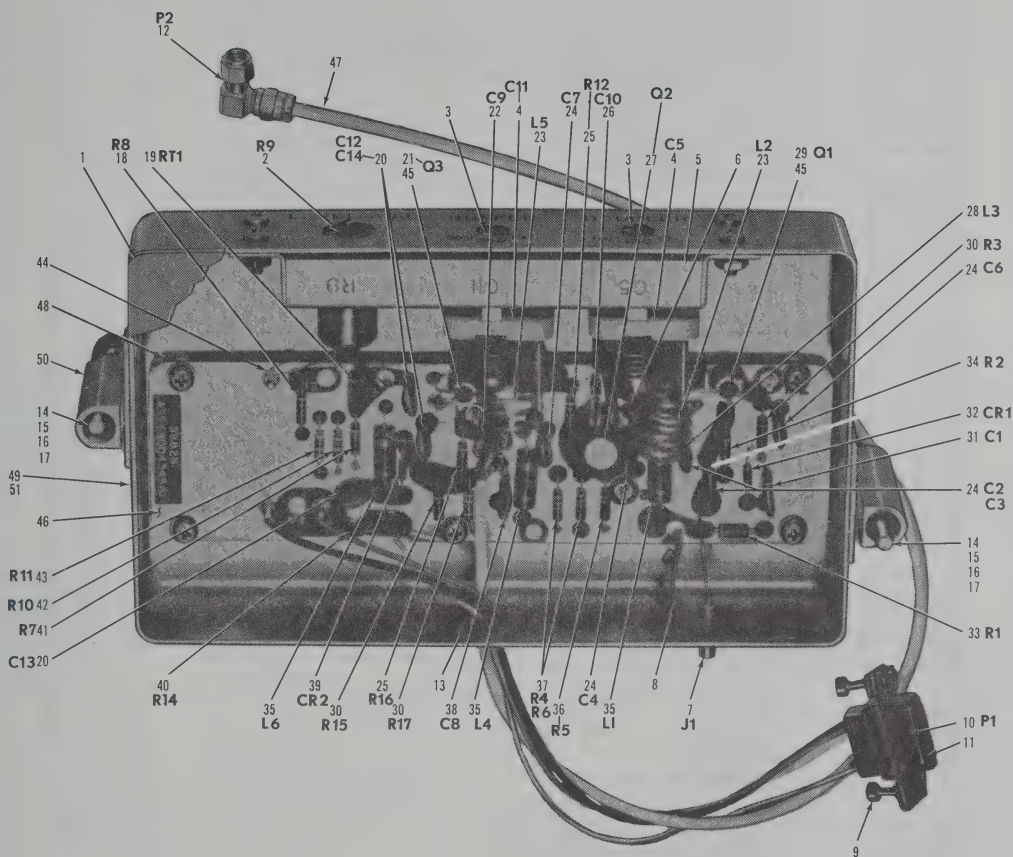


Figure 15. Doubler, RF, VHF, 1A9

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
14 - 55	8004778-1	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
15 -	8004225G1	A	DOUBLER, RF, VHF, /SEE FIGURE 2 FOR NHA/	REF	8
- 1	8004847-1	B	COVER, TOP	1	
	MS35190-221	B	ATTACHING PARTS SCREW	1	
- 2	RV6LAYS253A	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RV6LAYS252A	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 3	504856-1	B	EXTENSION, SHAFT	2	
- 4	501185-2	B	CAPACITOR, VARIABLE, AIR DIELECTRIC	2	
	MS35206-214	B	ATTACHING PARTS SCREW	4	
	MS35338-40	B	WASHER	4	
- 5	8004618-1	B	BRACKET, MOUNTING	1	
	MS35206-214	B	ATTACHING PARTS SCREW	4	
	MS27183-4	B	WASHER	4	
	MS35338-40	B	WASHER	4	
	MS35649-42	B	NUT	4	
- 6	8004824-2	B	STANDOFF, THREADED	1	
	MS35333-36	B	ATTACHING PARTS WASHER	1	
- 7	UG1464U	B	CONNECTOR /USED IN EARLY CONFIGURATIONS/	1	
	M39012-77-0002	B	CONNECTOR /USED IN LATER CONFIGURATIONS/	1	
- 8	8102535-4	B	LUG, TERMINAL, LOCKING	1	
- 9	502056-301	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 10	502056-101	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 11	502056-401	B	CONTACT, ELECTRICAL	3	
- 12	UG1464U	B	CONNECTOR /USED IN EARLY CONFIGURATIONS/	1	
	UG1465U	B	CONNECTOR /USED IN LATER CONFIGURATIONS/	1	
- 13	MS35489-4	B	GROMMET	1	
- 14	MS35206-252	B	SCREW /USED IN EARLY CONFIGURATIONS/	2	
	MS35206-251	B	SCREW /USED IN LATER CONFIGURATIONS/	2	
- 15	MS27183-7	B	WASHER	2	
- 16	MS35338-42	B	WASHER	2	
- 17	517689-1	B	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	2	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	2	
	8004345G1	B	DOUBLER, RF	1	
	MS35206-213	B	ATTACHING PARTS SCREW	5	
	MS27183-3	B	WASHER	5	
	MS35338-40	B	WASHER	5	
- 18	RCR07G511JR	C	RESISTOR	1	
- 19	509413-1	C	RESISTOR, THERMAL	1	
- 20	CK60AW102M	C	CAPACITOR /ALTERNATE PART 501240-58/	3	
- 21	JAN2N2222A	C	TRANSISTOR	1	
- 22	CK60BX220K	C	CAPACITOR /ALTERNATE PART 501240-19/	1	
- 23	8004762-1	C	COIL, RF	2	
- 24	CK60AX471K	C	CAPACITOR /ALTERNATE PART 501240-43/	5	
- 25	RCR07G180JR	C	RESISTOR	2	
- 26	CK06BX103K	C	CAPACITOR	1	
- 27	511806-2	C	TRANSISTOR, NPN, AMPLIFIER	1	
- 28	8004763G1	C	COIL, RF	1	
- 29	511782-1	C	TRANSISTOR, NPN, POWER	1	
- 30	RCR07G301JR	C	RESISTOR	3	
- 31	CK61AW222M	C	CAPACITOR /ALTERNATE PART 501240-88/	1	
- 32	JAN1N914	C	SEMICONDUCTOR DEVICE, DIODE	1	
- 33	RCR07G682JR	C	RESISTOR	1	
- 34	RCR07G910JR	C	RESISTOR	1	
- 35	MS75008-32	C	COIL, RF	3	
- 36	RCR07G271JR	C	RESISTOR	1	
- 37	RCR07G203JR	C	RESISTOR	2	
- 38	501170-12	C	CAPACITOR, FIXED, CERAMIC DIELECTRIC /USED IN EARLY CONFIGURATIONS/	1	
	CK06BX104K	C	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
- 39	511785-2	C	SEMICONDUCTOR DEVICE, DIODE, HOT CARRIER	1	
- 40	RCR07G220JR	C	RESISTOR	1	
- 41	RCR07G102JR	C	RESISTOR	1	
- 42	RCR07G103JR	C	RESISTOR	1	
- 43	RCR07G6473JR	C	RESISTOR	1	
	8004545G1	C	PRINTED WIRING BOARD	1	
- 44	514266-302	D	TERMINAL, UNINSULATED	8	
- 45	509403-1	D	RETAINER, THERMAL LINK	2	
	5339-05904-3	D	ATTACHING PARTS EYELET, METALLIC	2	
- 46	8004545-1	D	PRINTED WIRING BOARD	1	
- 47	RG188AU	B	CABLE, RF	AR	
- 48	8006130-1	B	INSULATOR	1	
	8004617G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 49	505127-42	C	STANDOFF, THREADED	6	

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
15- 50	8004750-1	C	LUG, MOUNTING	2	
	MS16535-133	C	RIVET	8	
- 51	8004617-1	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
16-	8004290G2	A	OSCILLATOR, CRYSTAL CONTROLLED /SEE FIGURE 2 FOR NHA/	REF	
- 1	8004398-1	B	COVER, CHASSIS	2	
- 2	8004514-1	B	INSULATION, TOP	1	
- 3	8004515-1	B	INSULATION, BOTTOM	1	
- 4	8004400-1	B	RETAINER, CRYSTAL HOLDER	2	
	MS35190-223	B	ATTACHING PARTS	2	
	8004406G1	B	SCREW	1	
- 5	8004406-4	B	HOLDER, CRYSTAL UNIT	1	
- 6	8004500-1	C	RUBBER STRIP	1	
	511333-7	C	HOLDER, CRYSTAL	1	
- 7	8004715-1	C	ATTACHING PARTS	2	
- 8	8004498-1	C	SCREW, BINDER HEAD, NYLON, MOLDED	1	
- 9	8004499-1	C	PLATE, BACKING, HOLDER, CRYSTAL	1	
- 10	504856-1	C	PLUG, INSULATION	1	
- 11	M39012-21-0001	C	KNOB, CRYSTAL HOLDER	1	
	8105252-1	B	EXTENSION, SHAFT	2	
	8105252-9	B	CONNECTOR	1	
- 12	502056-301	B	ATTACHING PARTS	1	
- 13	502056-101	B	WASHER, FLAT	1	
- 14	502056-401	B	WASHER, FLAT /USED IN LATER CONFIGURATIONS/	1	
- 15	UG1465U	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 16	MS35489-4	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 17	MS35206-252	B	CONTACT, ELECTRICAL	6	
- 18	NA5620-8	B	CONNECTOR	1	
- 19	MS35338-42	B	GROMMET	1	
- 20	517689-1	B	SCREW	4	
	508874-13	B	WASHER	4	
	8004698G2	B	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	4	
	MS35206-213	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	4	
	MS35338-40	B	OSCILLATOR ASSEMBLY, CRYSTAL CONTROLLED	1	
	MS35649-242	B	ATTACHING PARTS	1	
- 21	8004395G1	B	SCREW	1	
- 22	506435-1	B	WASHER	1	
- 23	8004395-1	D	NUT	1	
- 24	8004395G2	C	COVER, CHASSIS	1	
- 25	506435-1	D	HEATING ELEMENT, ELECTRICAL	1	
	RV6LAYSA102A	D	COVER	1	
	AN960C416L	C	RESISTOR	1	
- 26	RCR07G514JR	C	ATTACHING PARTS	1	
- 27	512134-1	C	WASHER	1	
- 28	CK068X103K	C	RESISTOR	1	
- 29	514267-1	C	SHIELD, RF INTERFERENCE, BEAD TYPE	2	
	MS35206-213	C	CAPACITOR	3	
	MS35649-242	C	TERMINAL, LUG TYPE	1	
- 30	M39003-01-2306	C	ATTACHING PARTS	1	
- 31	MS35489-4	C	SCREW	1	
- 32	8004961-1	C	NUT	1	
	MS25082-12	C	CAPACITOR	1	
	MS77068-4	C	GROMMET	1	
- 33	RCR07G330JR	C	SHIELD, RETAINER	1	
- 34	RG188AU	C	ATTACHING PARTS	1	
- 35	506365-1	C	NUT	1	
- 36	8006789G1	C	TERMINAL	1	
	MS35206-213	C	RESISTOR	1	
	MS35206-217	C	CABLE, RF	1	
	MS27183-3	C	GUIDE, CRYSTAL	1	
	MS35338-40	C	OSCILLATOR, CRYSTAL	1	
- 37	RCR07G911JR	C	ATTACHING PARTS	1	
	RCR07G301JR	C	SCREW	1	
	RCR07G820JR	C	SCREW	1	
- 38	RCR07G586JR	C	WASHER	2	
	RCR07G9R1JR	C	WASHER	2	
	RCR07G150JR	D	RESISTOR /R9 AND R11 IN EARLIEST CONFIGURATIONS, R11 CHANGED AND R9 DELETED IN LATER CONFIGURATIONS/	2	
- 39	CK60AH102M	D	RESISTOR /R11 USED IN EARLY CONFIGURATIONS/	1	
- 40	JAN1N914	D	RESISTOR /R11 USED IN LATER CONFIGURATIONS/	1	
- 41	RCR07G121JR	D	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
- 42	CK06BX103K	D	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
		D	CAPACITOR /ALTERNATE PART 501240-58/	2	
		D	SEMICONDUCTOR DEVICE, DIODE	1	
		D	RESISTOR	1	
		D	CAPACITOR	5	





FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
16- 43	CK60BX101K	D	CAPACITOR /C7 ADDED IN LATER CONFIGURATIONS, ALTERNATE PART 501240-31/	2	
- 44	CK60BX101M	D	CAPACITOR /C7 USED IN EARLY CONFIGURATIONS/	1	
- 45	8004343-1	D	COIL, RF	2	
- 46	CK60BX2R2K	D	CAPACITOR /ALTERNATE PART 501240-1/	1	
- 47	CK60BX6R8K	D	CAPACITOR /ALTERNATE PART 501240-10/	1	
- 48	515351-1	D	TRANSISTOR, NPN, SILICON, RF, SMALL SIGNAL	2	
- 49	507253-12	D	INSULATOR, STANDOFF, TRANSISTOR	2	
- 50	MS75008-37	D	COIL, RF	2	
- 51	RCR07G393JR	D	RESISTOR	1	
- 52	RCR07G102JR	D	RESISTOR	1	
- 53	CK058X820K	D	CAPACITOR	1	
- 54	CK60AX471K	D	CAPACITOR /ALTERNATE PART 501240-43/	1	
- 55	RCR07G750JR	D	RESISTOR	1	
- 56	512396-1	D	SOCKET, CRYSTAL	1	
- 57	RCR07G620JR	D	RESISTOR	1	
- 58	RCR07G203JR	D	RESISTOR	3	
- 59	RCR07G511JR	D	RESISTOR	1	
- 60	MS75008-32	D	COIL, RF	1	
- 61	RCR07G303JR	D	RESISTOR	1	
- 62	CK60BX220K	D	CAPACITOR /USED IN EARLY CONFIGURATIONS/	1	
- 63	CK61AW222M	D	CAPACITOR /USED IN LATER CONFIGURATIONS, ALTERNATE PART 501240-88/	1	
- 64	RCR07G390JR	D	RESISTOR	1	
- 65	RCR07G303JR	D	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
- 66	RCR07G243JR	D	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 67	RCR07G393JR	D	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 68	8006790G1	D	PRINTED WIRING BOARD	1	
- 69	514266-104	E	TERMINAL, STUD, UNINSULATED, TURRET-TYPE	2	
- 70	514266-302	E	TERMINAL, STUD, UNINSULATED, TURRET-TYPE	1	
- 71	8006790-1	E	PRINTED WIRING BOARD	1	
- 72	8004396-1	C	BAR, SPACER, THREADED ATTACHING PARTS	2	
- 73	MS35206-213	C	SCREW	2	
- 74	MS27183-3	C	WASHER	2	
- 75	MS35338-40	C	WASHER	2	
- 76	514271-5	C	TERMINAL LUG ATTACHING PARTS	1	
- 77	MS35206-214	C	SCREW	1	
- 78	MS35338-40	C	WASHER	1	
- 79	MS35649-242	C	NUT	1	
- 80	514271-5	C	TERMINAL LUG	1	
- 81	RCR07G750JS	C	RESISTOR	1	
- 82	501185-4	C	CAPACITOR, VARIABLE, AIR DIELECTRIC ATTACHING PARTS	2	
- 83	8006103-1	C	SCREW, MACHINE	4	
- 84	MS35338-40	C	WASHER	4	
- 85	8004339G1	C	CIRCUIT CARD ASSEMBLY, OVEN CONTROL ATTACHING PARTS	1	
- 86	MS35206-214	C	SCREW	2	
- 87	MS27183-3	C	WASHER	2	
- 88	RCR07G102JR	D	RESISTOR /R15 REPLACED BY RCR07G101JR IN LATER CONFIGURATIONS/	3	
- 89	RCR07G101JR	D	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 90	RCR07G621JR	D	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 91	RCR07G122JR	D	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 92	RCR20G302JR	D	RESISTOR	1	
- 93	RCR07G433JR	D	RESISTOR	1	
- 94	509413-1	D	RESISTOR, THERMAL	3	
- 95	RCR20G392JR	D	RESISTOR	1	
- 96	JAN1N753A	D	SEMICONDUCTOR DEVICE, DIODE	1	
- 97	JAN1N756A	D	SEMICONDUCTOR DEVICE, DIODE	1	
- 98	JAN2N2222A	D	TRANSISTOR /Q5 REPLACED BY JAN2N912 IN LATER CONFIGURATIONS/	2	
- 99	JAN2N912	D	TRANSISTOR /REPLACES JAN2N2222A, Q5, IN LATER CONFIGURATIONS/	1	
- 100	507253-12	D	INSULATOR, STANDOFF, TRANSISTOR	2	
- 101	RCR07G300JR	D	RESISTOR	1	
- 102	8004341G1	D	PRINTED WIRING BOARD	1	
- 103	514266-302	E	TERMINAL, STUD, UNINSULATED, TURRET-TYPE	6	
- 104	8004341-1	E	PRINTED WIRING BOARD	1	
- 105	511793-1	C	TRANSISTOR, NPN, SILICON ATTACHING PARTS	1	
- 106	MS35206-229	C	SCREW	2	
- 107	8102535-2	C	LUG, TERMINAL, LOCKING	1	
- 108	MS27183-5	C	WASHER	2	
- 109	507292-6	C	WASHER, SHOULDERED	2	
- 110	507292-1	C	MOUNTING PAD, ELECTRONIC COMPONENT	1	
- 111	MS35338-41	C	WASHER	2	
- 112	MS25082-1	C	NUT	2	
- 113	8004392G1	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 114	8004393-1	D	BRACKET, FRONT	2	
- 115	514264-601	D	TERMINAL, STUD, INSULATED	6	
- 116	508570-1	D	NUT, CAPTIVE	2	

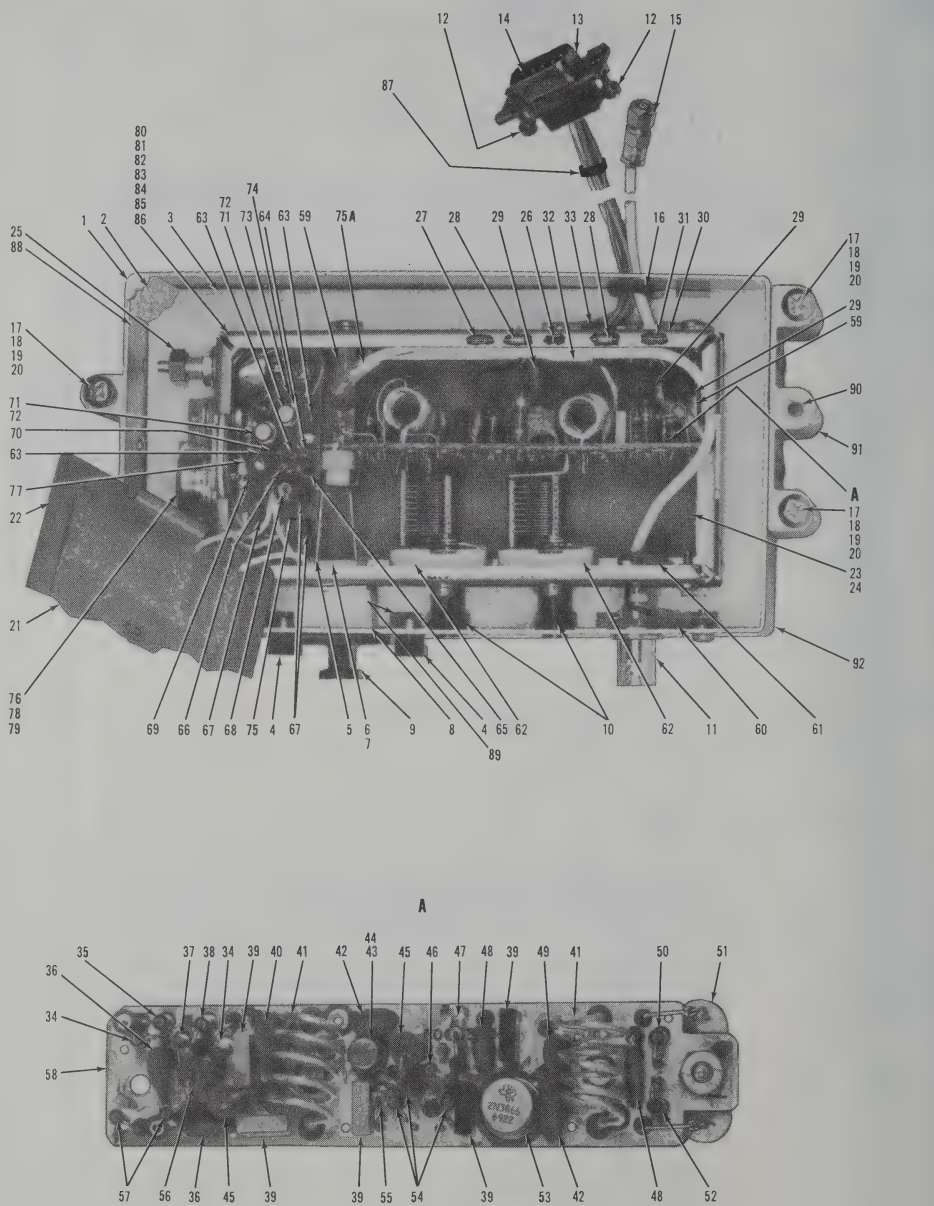


Figure 17. Oscillator, Crystal Controlled, 1A8



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
16- 90	8004497-1	D	FINGERS, SPRING	2	
- 91	5339-08903-3	D	EYELET	4	
- 92	5339-08904-3	D	EYELET	6	
- 93	8004392-9	D	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 94	MS3367-4-9	B	STRAP	2	
	8004397G2	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 95	508566-1	C	NUT, SELF-LOCKING	2	
	8004578G1	C	BRACKET, MOUNTING	2	
			ATTACHING PARTS		
	MS16535-133	C	RIVET	8	
- 96	MS21208C0820	D	INSERT	1	
- 97	8004578-1	D	BRACKET	1	
- 98	8004397-5	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
17-	8004290G1	A	OSCILLATOR, CRYSTAL CONTROLLED /SEE FIGURE 2 FOR NHA/USED IN EARLY CONFIGURATIONS, REPLACED BY 8004290G2 IN LATER CONFIGURATIONS/	REF	
- 1	8004398-1	B	COVER, CHASSIS, OUTER	2	
- 2	8004514-1	B	INSULATION, OSCILLATOR OVEN, TOP	1	
- 3	8004515-1	B	INSULATION, OSCILLATOR OVEN, BOTTOM	1	
- 4	8004400-1	B	RETAINER, CRYSTAL HOLDER	2	
			ATTACHING PARTS		
	MS35190-223	B	SCREW	2	
			---		
	8004406G1	B	HOLDER, CRYSTAL UNIT	1	
- 5	8004500-1	C	HOLDER, CRYSTAL	1	
			ATTACHING PARTS		
	511333-7	C	SCREW, MACHINE, BINDER HEAD, NYLON, MOLDED	2	
			---		
- 6	8004406-4	C	RUBBER	1	
- 7	8004715-1	C	PLATE, BACKING, HCLDER, CRYSTAL	1	
- 8	8004498-1	C	PLUG, INSULATION	1	
- 9	8004499-1	C	KNOB, CRYSTAL HOLDER	1	
- 10	504856-1	B	EXTENSION, SHAFT	2	
- 11	M39012-21-0001	B	CONNECTOR	1	
			ATTACHING PARTS		
	8105252-1	B	WASHER, FLAT	1	
	8105252-9	B	WASHER, FLAT /USED IN LATER CONFIGURATIONS/	1	
			---		
- 12	502056-301	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 13	502056-101	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 14	502056-401	B	CONTACT, ELECTRICAL	6	
- 15	UG1465U	B	CONNECTOR	1	
- 16	MS35489-4	B	GROMMET	1	
- 17	MS35206-252	B	SCREW	4	
- 18	NAS620-8	B	WASHER	4	
- 19	MS35338-42	B	WASHER	4	
- 20	517689-1	B	WASHER, NON-METALLIC /USED IN EARLY CONFIGURATIONS/	4	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	4	
	8004698G1	B	OSCILLATOR, CRYSTAL CONTROLLED	1	
			ATTACHING PARTS		
	MS35206-213	B	SCREW	1	
	MS35338-40	B	WASHER	1	
	MS35649-242	B	NUT	1	
			---		
- 21	8004395G1	C	COVER ASSEMBLY, CHASSIS	1	
- 22	506435-1	D	HEATING ELEMENT, ELECTRICAL	1	
	8004395-1	D	COVER, CHASSIS	1	
	8004395G2	C	COVER ASSEMBLY, CHASSIS	1	
- 23	506435-1	D	HEATING ELEMENT, ELECTRICAL	1	
- 24	8004395-1	D	COVER, CHASSIS	1	
- 25	RV6LAYSA102A	C	RESISTOR	1	
			ATTACHING PARTS		
	AN960C416L	C	WASHER	1	
			---		
- 26	514267-1	C	TERMINAL, LUG	1	
			ATTACHING PARTS		
	MS35206-213	C	SCREW	1	
	MS35649-242	C	NUT	1	
			---		
- 27	RCR07G514JR	C	RESISTOR	1	
- 28	512134-1	C	SHIELD, RFI, BEAD TYPE	2	
- 29	CK06BX103K	C	CAPACITOR	3	
- 30	8004961-1	C	SHIELD, RETAINER	1	
			ATTACHING PARTS		
	MS25082-12	C	NUT	1	
	MS77068-4	C	TERMINAL	1	
			---		
- 31	RCR07G330JR	C	RESISTOR	1	
- 32	M39003-01-2306	C	CAPACITOR	1	
- 33	MS35489-4	C	GROMMET	1	
	8004349G1	C	CIRCUIT CARD ASSEMBLY, LOCAL OSCILLATOR	1	
			ATTACHING PARTS		
	MS35206-213	C	SCREW	1	
	MS35206-216	C	SCREW	1	
	MS27183-3	C	WASHER	2	
	MS35338-40	C	WASHER	2	

FIGURE AND INDEX NUMBER	PART NUMBER	I D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
17- 34	RCR07G301JR	D	RESISTOR	2	
- 35	RCR07G180JR	D	RESISTOR	1	
- 36	CK60AW102M	D	CAPACITOR /ALTERNATE PART 501240-58/	2	
- 37	JAN1N914	D	SEMICONDUCTOR DEVICE, DIODE	1	
- 38	RCR07G121JR	D	RESISTOR	1	
- 39	CK06BX103K	D	CAPACITOR	5	
- 40	CK60BX101K	D	CAPACITOR /ALTERNATE PART 501240-31/	1	
- 41	8004343-1	D	COIL, RF	2	
- 42	CK60BX2R2K	D	CAPACITOR /ALTERNATE PART 501240-1/	2	
- 43	JAN2N918	D	TRANSISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 44	515341-1	D	TRANSISTOR, NPN, SILICON /USED IN LATER CONFIGURATIONS/	1	
- 45	507253-12	D	MOUNTING PAD, TRANSISTOR	1	
- 46	MS75008-37	D	COIL	2	
- 47	RCR07G393JR	D	RESISTOR	1	
- 48	RCR07G102JR	D	RESISTOR	1	
- 49	CK60BX680M	D	CAPACITOR /ALTERNATE PART 501240-28/	2	
- 50	CK60AX471K	D	CAPACITOR /ALTERNATE PART 501240-43/	1	
- 51	RCR07G750JR	D	RESISTOR	1	
- 52	512396-1	D	SOCKET, CRYSTAL	1	
- 53	RCR07G620JR	D	RESISTOR	1	
- 54	511800-1	D	TRANSISTOR, NPN, POWER AMPLIFIER	1	
- 55	RCR07G203JR	D	RESISTOR	3	
- 56	RCR07G821JR	D	RESISTOR	1	
- 57	MS75008-32	D	COIL	1	
- 58	RCR07G303JR	D	RESISTOR	2	
	8004312G1	D	PRINTED WIRING BOARD	1	
	514266-104	E	TERMINAL, STUD, UNINSULATED, TURRET-TYPE	2	
	8004312-1	E	PRINTED WIRING BOARD	1	
- 59	8004396-1	C	BAR, SPACER, THREADED ATTACHING PARTS	2	
	MS35206-213	C	SCREW	2	
	MS27183-3	C	WASHER	2	
	MS35338-40	C	WASHER	2	
- 60	514271-5	C	TERMINAL, LUG, CRIMP TYPE	1	
- 61	514271-5	C	TERMINAL, LUG, CRIMP TYPE ATTACHING PARTS	1	
	MS35206-214	C	SCREW	1	
	MS35338-40	C	WASHER	1	
	MS35649-242	C	NUT	1	
- 62	501185-4	C	CAPACITOR, VARIABLE, AIR DIELECTRIC ATTACHING PARTS	2	
	8006103-1	C	SCREW, MACHINE	4	
	MS35338-40	C	WASHER	4	
	8004339G1	C	CIRCUIT CARD ASSEMBLY, OVEN CONTROL ATTACHING PARTS	1	
	MS35206-214	C	SCREW	2	
	MS27183-3	C	WASHER	2	
- 63	RCR07G102JR	D	RESISTOR	3	
- 64	RCR07G122JR	D	RESISTOR	1	
- 65	RCR20G302JR	D	RESISTOR	1	
- 66	RCR07G433JR	D	RESISTOR	1	
- 67	509413-1	D	RESISTOR, THERMAL	3	
- 68	RCR20G392JR	D	RESISTOR	1	
- 69	JAN1N753A	D	SEMICONDUCTOR DEVICE, DIODE	1	
- 70	JAN1N756A	D	SEMICONDUCTOR DEVICE, DIODE	1	
- 71	JAN2N2222A	D	TRANSISTOR /REPLACE Q5 WITH JAN2N912 WHEN FAILURE OCCURS/	2	
	JAN2N912	D	TRANSISTOR /REPLACEMENT FOR Q5-JAN2N2222A/	1	
- 72	507253-12	D	MOUNTING PAD, TRANSISTOR	2	
- 73	RCR07G300JR	D	RESISTOR	1	
- 74	RCR07G101JR	D	RESISTOR	1	
- 75	8004341G1	D	PRINTED WIRING BOARD	1	
	514266-302	E	TERMINAL, STUD, UNINSULATED, TURRET-TYPE	6	
	8004341-1	E	PRINTED WIRING BOARD	1	
- 75A	RG188AU	C	CABLE, RF	AR	
- 76	511793-1	C	TRANSISTOR, NPN, SILICON ATTACHING PARTS	1	
	MS35206-229	C	SCREW	2	
	MS27183-5	C	WASHER	2	
	MS35338-41	C	WASHER	2	
	MS25082-1	C	NUT	2	
- 77	8102535-2	C	TERMINAL, LUG, LOCKING	1	
- 78	507292-6	C	WASHER, SHOULDERED	2	
- 79	507292-1	C	MOUNTING PAD, ELECTRONIC COMPONENT	1	
	8004392G1	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 80	8004393-1	D	BRACKET, FRONT	2	
- 81	514264-601	D	TERMINAL, STUD, INSULATED	6	
- 82	508570-1	D	NUT, CAPTIVE	2	
- 83	8004497-1	D	FINGERS, SPRING	2	
- 84	5339-08903-3	D	EYELET	4	
- 85	5339-08904-3	D	EYELET	6	
- 86	8004392-1	D	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 87	MS3367-4-9	B	STRAP	2	

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
17 - 88	8004397G1	B	CHASSIS, ELECTRICAL EQUIPMENT, OUTER	1	
- 89	508566-1	C	NUT, SELF-LOCKING	2	
	8004578G1	C	BRACKET, MOUNTING	2	
	MS16535-133	C	ATTACHING PARTS	8	
		C	RIVET		
			-----*		
- 90	MS21208C0820	D	INSERT	1	
- 91	8004578-1	D	BRACKET	1	
- 92	8004397-1	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
18 -	8004204G1	A	FRAME ASSEMBLY, EXCITER, UHF /SEE FIGURE 2 FOR NHA/	REF	A
	8004204G2	A	FRAME ASSEMBLY, EXCITER, VHF /SEE FIGURE 2 FOR NHA/	REF	B
- 1	508121-1	B	LENS, INDICATOR LIGHT, CLEAR	1	
- 2	NE51	B	LAMP	1	
- 3	LH76-1	B	LAMPHOLDER	1	
- 4	512984-2	B	SWITCH, TOGGLE, FOUR POLE, SINGLE THROW, 2 POSITION	1	
			ATTACHING PARTS		
	8105252-2	B	WASHER, FLAT	1	
			-----*		
- 5	CK60AX671K	B	CAPACITOR /ALTERNATE PART 501240-43/	3	
- 6	F02A250V6A	B	FUSE, CARTRIDGE, 6 AMP /105-120/ VOLTS INPUT	2	
- 7	FHL17G2	B	FUSEHOLDER	2	
- 8	514260-8	B	TERMINAL, LUG TYPE	1	
- 9	F02A32V10A	B	FUSE /WHEN EXHAUSTED USE F02A125V10A/	1	
	F02A125V10A	B	FUSE /REPLACES F02A32V10A IN LATER CONFIGURATIONS/	1	
- 10	FHL18G2-2	B	FUSEHOLDER	1	
- 11	508258-7	B	METER, ELECTRICAL, DC, PANEL TYPE	1	
	8004766G2	B	TERMINAL BOARD	1	
- 12	NAS70552	C	TERMINAL STUD	2	
- 13	8004766-2	C	TERMINAL BOARD	1	
- 14	514105-3	B	TAPE, PRESSURE SENSITIVE	1	
- 15	CK60AW152M	B	CAPACITOR /ALTERNATE PART 501240-64/	6	
- 16	507577-1	B	KNOB, CONTROL	2	
- 17	512975-3	B	SWITCH, ROTARY, 2 POLE, 12 POSITION	2	
			ATTACHING PARTS		
	MS25082-7	B	NUT	2	
	8105252-1	B	WASHER, FLAT	2	
	517682-1	B	WASHER, LOCK, INTERNAL TOOTH	2	
			-----*		
- 18	JANIN914	B	SEMICONDUCTOR DEVICE, DIODE /CR2 ADDED IN LATER CONFIGURA- TIONS/	2	
- 19	RN5504321F	B	RESISTOR	1	
- 20	517689-1	B	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	2	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	2	
- 21	8004856-1	B	SCREW, CAPTIVE	2	
- 22	MS27183-7	B	WASHER	2	
	8004760G1	B	HOLDER ASSEMBLY, CARD	1	
- 23	8004760-2	C	TAPE, PRESSURE SENSITIVE, ADHESIVE	1	
- 24	8004760-1	C	HOLDER, CARD	1	
- 25	MS35672-17	B	PIN	2	
- 26	8004501-1	B	DOOR, PANEL, FRONT	1	
- 27	MS35059-23	B	SWITCH	1	
			ATTACHING PARTS		
	8105252-2	B	WASHER, FLAT	1	
			-----*		
- 28	MS35058-22	B	SWITCH	2	
			ATTACHING PARTS		
	8105252-2	B	WASHER, FLAT	2	
			-----*		
- 29	MS3102R14555	B	CONNECTOR	1	
			ATTACHING PARTS		
	MS35206-217	B	SCREW	4	
	MS27183-3	B	WASHER	4	
	MS35338-40	B	WASHER	4	
	MS35649-242	B	NUT	4	
			-----*		
- 30	MS25043-14C	B	COVER, ELECTRICAL	1	
- 31	502072-1	B	COVER, ACCESS, SELF-CLOSING	1	
- 32	JJ033	B	JACK, TELEPHONE	1	
- 33	8004517-1	B	HANDLE, PANEL, FRONT	2	
			ATTACHING PARTS		
	8006103-5	B	SCREW, MACHINE /USED IN EARLY CONFIGURATIONS/	4	
	8006103-7	B	SCREW, MACHINE /USED IN LATER CONFIGURATIONS/	4	
	MS27183-7	B	WASHER /DELETED IN LATER CONFIGURATIONS/	4	
	MS35338-42	B	WASHER	4	
	MS35649-282	B	NUT	4	
			-----*		
	8004207G1	B	PANEL ASSEMBLY, FRONT	1	
			ATTACHING PARTS		
	MS35190-237	B	SCREW	6	
	MS35190-252	B	SCREW	4	
			-----*		
- 34	8004495-1	C	HINGE, DOOR	1	
			ATTACHING PARTS		
	MS16535-135	C	RIVET	3	
			-----*		





FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
18- 35	8004519-4	C	NUT, SPECIAL	2	
- 36	508565-2	C	NUT, PLAIN, CLINCH /USED IN EARLY CONFIGURATIONS/	2	
	508565-4	C	NUT, PLAIN, CLINCH /USED IN LATER CONFIGURATIONS/	2	
- 37	8004207G2	C	PANEL, FRONT	1	
- 38	512308-2	B	SLIDE, DRAWER, EXTENSION	2	
			ATTACHING PARTS		
	MS35206-243	B	SCREW	8	
	MS35338-42	B	WASHER	8	
- 39	514267-2	B	TERMINAL, LUG TYPE	6	
			ATTACHING PARTS		
	MS35206-227	B	SCREW	6	
	MS35649-262	B	NUT	6	
- 40	8006083G1	B	FILTER ASSEMBLY, ELECTRICAL /31550/ SOURCE DWG 505543-1	1	
			ATTACHING PARTS		
	MS35206-231	B	SCREW	4	
	MS27183-6	B	WASHER	4	
- 41	8006084G2	B	FILTER ASSEMBLY, ELECTRICAL /31550/ SOURCE DWG 505542-2	1	
			ATTACHING PARTS		
	MS35206-227	B	SCREW	2	
	MS27183-6	B	WASHER	2	
	MS35338-41	B	WASHER	2	
- 42	514270-2	B	TERMINAL BOARD, MOLDED, BARRIER	1	
			ATTACHING PARTS		
	MS35190-239	B	SCREW	2	
	MS35338-41	B	WASHER	2	
	MS35649-262	B	NUT	2	
- 43	8004837-3	B	GROMMET	1	
- 44	512983-1	B	SWITCH, RF, TRANSMISSION LINE	1	
- 45	MS3102R18-15	B	CONNECTOR	1	
			ATTACHING PARTS		
	MS35206-216	B	SCREW	4	
	MS27183-3	B	WASHER	4	
	MS35338-40	B	WASHER	4	
	MS35649-242	B	NUT	4	
- 46	505516-11	B	FILTER, RF, LOW PASS, 225-400 MHZ	1	A
	505516-25	B	FILTER, RF, LOW PASS, 116-150 MHZ	1	B
			ATTACHING PARTS		
	MS35206-228	B	SCREW	4	
	MS27183-6	B	WASHER	4	
	MS35338-41	B	WASHER	4	
- 47	8004568-1	B	CHANNEL, MOUNTING	1	
			ATTACHING PARTS		
	MS35206-245	B	SCREW	2	
	MS27183-7	B	WASHER	2	
- 48	MS35489-43	B	GROMMET	1	
- 49	509146-12	B	DETECTOR, POWER DIRECTIONAL, 225-400 MHZ	1	A
	509146-22	B	DETECTOR, POWER, DIRECTIONAL, 116-150 MHZ	1	B
			ATTACHING PARTS		
	MS35206-217	B	SCREW	4	
	MS27183-6	B	WASHER	4	
	MS35338-41	B	WASHER	4	
- 50	8004880-1	B	PLATE, MOUNTING	1	
			ATTACHING PARTS		
	MS35206-243	B	SCREW	6	
	MS27183-7	B	WASHER	6	
	MS35338-42	B	WASHER	2	
- 51	RCR07G474JR	B	RESISTOR	1	
- 52	RCR07G222JR	B	RESISTOR	1	
- 53	M39003-01-2379	B	CAPACITOR	1	
- 54	511791-1	B	TRANSISTOR, NPN, POWER	1	
			ATTACHING PARTS		
	MS35206-230	B	SCREW	2	
	MS27183-6	B	WASHER	2	
	MS35338-41	B	WASHER	2	
	MS35649-262	B	NUT	2	
- 55	507292-2	B	INSULATOR, ELECTRICAL	1	
- 56	507292-3	B	WASHER, SHOULDERED	2	
- 57	514267-2	B	TERMINAL, LUG TYPE	1	

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
18- 58	502056-311	B	RETAINER, ELECTRICAL CONNECTOR ATTACHING PARTS	6	
	MS35333-36	B	WASHER -----*	6	
	8004949G1	B	WIRING HARNESS, BRANCHED ATTACHING PARTS	1	
	MS35206-217	B	SCREW	16	
	MS27183-3	B	WASHER	16	
	MS35338-40	B	WASHER -----*	16	
- 59	502056-402	C	CONTACT, ELECTRICAL	18	
- 60	502056-201	C	CONNECTOR, PLUG, ELECTRICAL	3	
- 61	502066-105	C	CONNECTOR, RECEPTACLE, ELECTRICAL	8	
- 62	514268-3	C	TERMINAL, TAB	11	
- 63	514268-4	C	TERMINAL, TAB	5	
- 64	MS25036-106	C	TERMINAL LUG	2	
- 65	UG1465U	C	CONNECTOR	2	
- 66	516665-26	C	TUBING, MARKER	1	
- 67	516665-27	C	TUBING, MARKER	1	
- 68	RG188U	C	CABLE, RF	AR	
- 69	8004734-1	B	BRACKET, DOUBLE ANGLE ATTACHING PARTS	1	
	MS35206-213	B	SCREW	2	
	MS27183-3	B	WASHER	2	
	MS35338-40	B	WASHER -----*	2	
- 70	514264-501	B	TERMINAL STUD, INSULATED ATTACHING PARTS	1	
	MS27183-6	B	WASHER	1	
	MS35338-41	B	WASHER -----*	1	
- 70A	514267-1	B	TERMINAL, LUG TYPE	1	
- 71	8004660-1	B	BAR, SPACER ATTACHING PARTS	2	
	MS35206-230	B	SCREW	4	
	MS27183-6	B	WASHER	4	
	MS35338-41	B	WASHER	4	
	MS35649-262	B	NUT -----*	4	
- 72	MS35206-228	B	SCREW	4	
- 73	MS35338-41	B	WASHER	4	
- 74	MS27183-6	B	WASHER /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	4	
- 75	AN960C6L	B	WASHER /ADDED IN LATER CONFIGURATIONS/	4	
- 76	8004837-2	B	GROMMET	1	
	8004815G1	B	TERMINAL BOARD ATTACHING PARTS	1	
	MS35206-216	B	SCREW	2	
	MS27183-3	B	WASHER	2	
	MS35338-40	B	WASHER	2	
	MS35649-242	B	NUT -----*	2	
- 77	NAS705S2	C	TERMINAL STUD	3	
- 78	8004815-1	C	TERMINAL BOARD	1	
- 79	PV6LAYSA252A	B	RESISTOR	1	
- 80	PV6LAYSA102A	B	RESISTOR	1	
- 81	PCR07G103JR	B	RESISTOR	1	
- 82	PCR07G621JR	B	RESISTOR	1	
- 83	515321-1	B	TRANSFORMER, AF ATTACHING PARTS	1	
	MS35206-214	B	SCREW	2	
	MS35338-40	B	WASHER	2	
	NAS671-4	B	NUT -----*	2	
- 84	514264-302	B	TERMINAL, STUD, INSULATED ATTACHING PARTS	1	
	MS35206-202	B	SCREW	1	
	MS27183-2	B	WASHER	1	
	MS35338-39	B	WASHER -----*	1	
- 85	8004699-1	B	TERMINAL STRIP, GROUND ATTACHING PARTS	1	
	MS35206-214	B	SCREW	2	
	MS27183-3	B	WASHER	2	
	MS35333-36	B	WASHER	2	
	MS35338-40	B	WASHER	2	
	MS35649-242	B	NUT -----*	2	
	8004818G2	B	TERMINAL BOARD ASSEMBLY ATTACHING PARTS	1	
	MS35206-214	B	SCREW	2	
	MS27183-3	B	WASHER	2	
	MS35338-40	B	WASHER -----*	2	
- 86	509204-1	C	PROTECTOR, VOLTAGE, TRANSIENT	2	
	8004815G5	C	TERMINAL BOARD	1	
- 87	NAS705S2	D	TERMINAL STUD	4	



FIGURE AND INDEX NUMBER	PART NUMBER	I D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
18 - 88	8004815-3	D	TERMINAL BOARD	1	
	8004565G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 89	8004713-1	C	GUIDE, PRINTED WIRING BOARD ATTACHING PARTS	18	
	MS16535-64	C	RIVET	9	
	MS16535-65	C	RIVET	27	
- 90	8004879-1	C	BAR, MOUNTING ATTACHING PARTS	1	
	MS16535-124	C	RIVET	3	
- 91	508566-3	C	NUT, SELF-LOCKING, CLINCH	4	
- 92	508566-6	C	NUT, SELF-LOCKING, CLINCH	2	
	8004581G1	C	BRACKET, MOUNTING ATTACHING PARTS	1	
	MS16535-135	C	RIVET	3	
- 93	508566-11	D	NUT, SELF-LOCKING, CLINCH /USED IN EARLY CONFIGURATIONS/	2	
	508566-7	D	NUT, SELF-LOCKING, CLINCH /USED IN LATER CONFIGURATIONS/	2	
- 94	8004581-1	D	BRACKET, ANGLE	1	
	8004623G1	C	BRACKET, MOUNTING ATTACHING PARTS	1	
	MS16535-135	C	RIVET /USED IN EARLY CONFIGURATIONS/	3	
	MS16535-136	C	RIVET /USED IN LATER CONFIGURATIONS/	3	
- 95	508566-11	D	NUT, SELF-LOCKING, CLINCH /USED IN EARLY CONFIGURATIONS/	2	
	508566-7	D	NUT, SELF-LOCKING, CLINCH /USED IN LATER CONFIGURATIONS/	2	
- 96	8004623-1	D	BRACKET, ANGLE	1	
- 97	505127-77	C	SPACER, SLEEVE	5	
- 98	8004519-2	C	NUT, SPECIAL	2	
- 99	8004520-2	C	BRACKET, ANGLE ATTACHING PARTS	1	
	MS16535-134	C	RIVET	3	
-100	8004520-1	C	BRACKET, ANGLE ATTACHING PARTS	1	
	MS16535-134	C	RIVET	3	
-101	508566-7	C	NUT, SELF-LOCKING, CLINCH	2	
-102	8004565-2	C	CHANNEL, CENTER ATTACHING PARTS	1	
	MS16535-134	C	RIVET	3	
	MS16535-135	C	RIVET	7	
	8004528G1	C	PANEL, REAR ATTACHING PARTS	1	
	MS16535-155	C	RIVET	5	
-103	MS21209F1-15	D	INSERT	2	
-104	MS21209C0615	D	INSERT	3	
-105	8004528-1	D	PANEL	1	
	8004490G1	C	PANEL, CHASSIS, LEFT ATTACHING PARTS	1	
	MS16535-135	C	RIVET	5	
-106	MS21209C0615	D	INSERT	2	
-107	8004490-1	D	PANEL, LEFT	1	
	8004491G1	C	PANEL, CHASSIS, RIGHT ATTACHING PARTS	1	
	MS16535-135	C	RIVET	5	
-108	MS21209C0615	D	INSERT	2	
-109	8004491-1	D	PANEL, RIGHT	1	
-110	8004565-1	C	PLATE, BOTTOM	1	
19 -	8004202G1	A	AMPLIFIER, LINEAR POWER, MODEL 3212 /UHF/	REF	A
- 1	8004202G2	A	AMPLIFIER, LINEAR POWER, MODEL 3211 /VHF/	REF	B
	8006157-3	B	PLATE, IDENTIFICATION	1	A
	8006157-4	B	PLATE, IDENTIFICATION ATTACHING PARTS	1	B
	MS35206-202	B	SCREW	2	
	MS27183-2	B	WASHER	2	
	MS35338-39	B	WASHER	2	
- 2	8004336G1	B	COVER ASSEMBLY	1	
	511338-11	C	SCREW, SELF-LOCKING /USED IN EARLY CONFIGURATIONS/	4	
	511338-32	C	SCREW, SELF-LOCKING /USED IN LATER CONFIGURATIONS/	4	
- 3	517689-1	C	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	4	
- 4	508874-15	C	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	4	
- 4	8004295-6	C	SHIELD, RADIO FREQUENCY INTERFERENCE	2	
- 5	8004295-5	C	SHIELD, RADIO FREQUENCY INTERFERENCE	2	
	8004336G2	C	COVER ASSEMBLY	1	

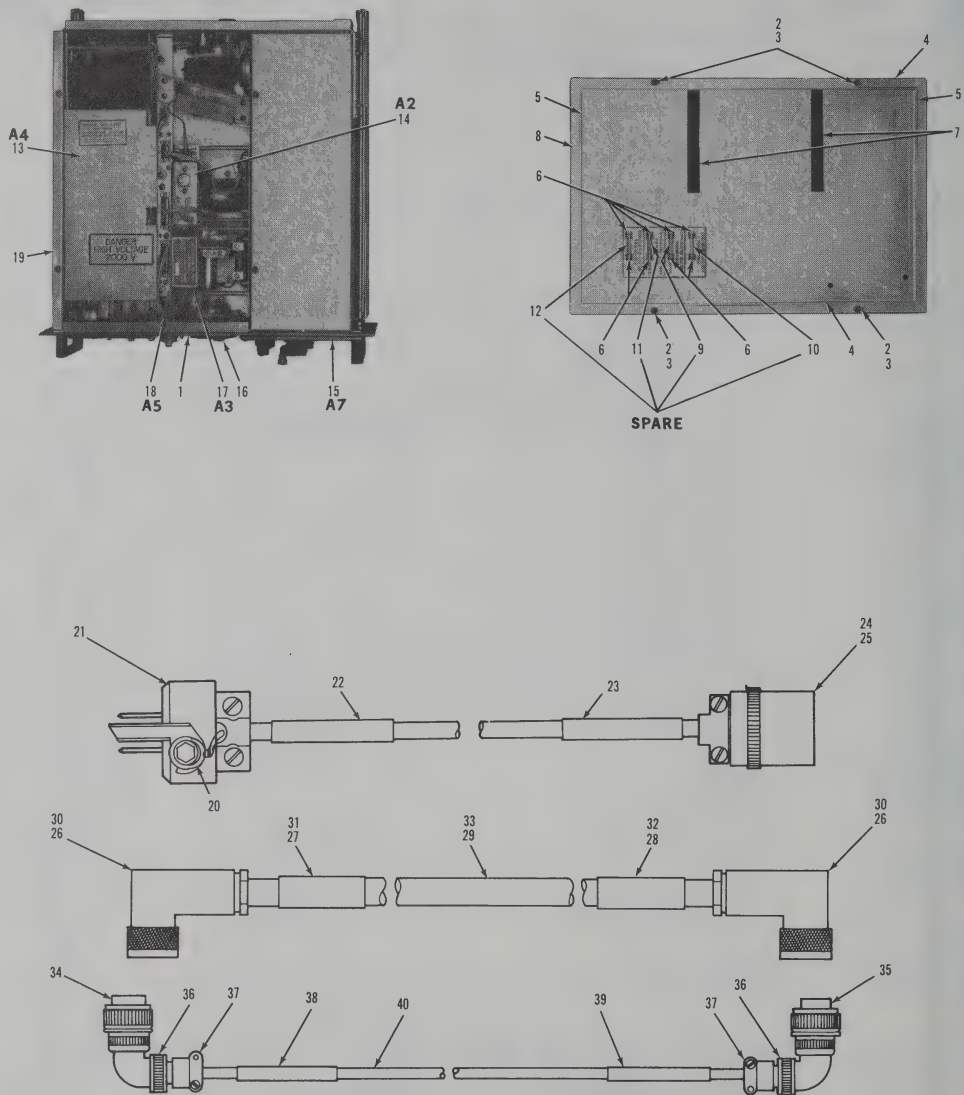
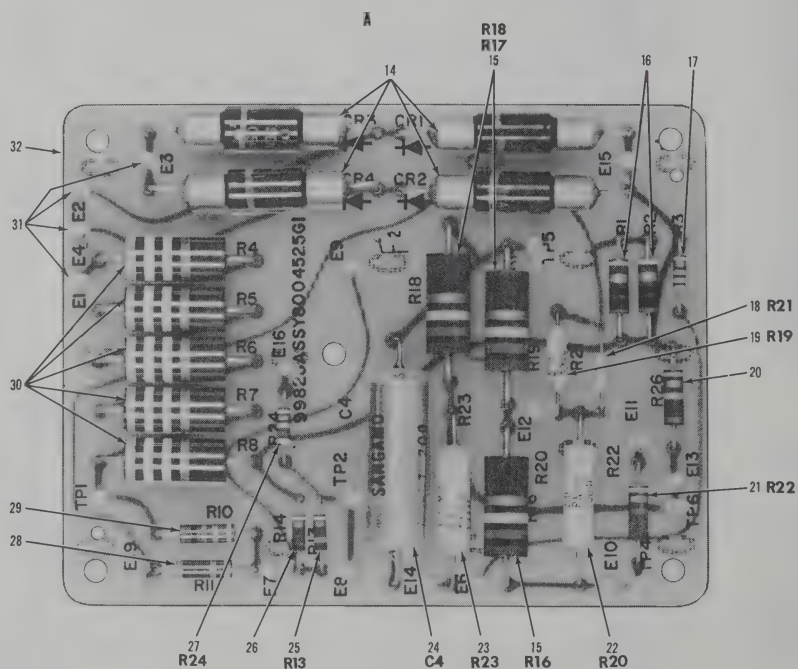


Figure 19. Amplifier, Linear Power, VHF (Model 3211), UHF (Model 3212), Unit 2

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
19 - 6	509417-1	D	FUSEHOLDER	8	
		D	ATTACHING PARTS		
	MS16535-132	D	RIVET	8	
- 7	511136-1	D	RUBBER STRIP	2	
- 8	8004336-8	D	COVER, CHASSIS	1	
- 9	F02A250V1A	B	FUSE	1	
- 10	8102470-9	B	FUSE, CARTRIDGE /USED IN EARLY CONFIGURATIONS/	1	
	F02A250V2A	B	FUSE /REPLACES 8102470-9 IN LATER CONFIGURATIONS/	1	
- 11	8102470-7	B	FUSE, CARTRIDGE	1	
- 12	8102470-8	B	FUSE, CARTRIDGE	1	
- 13	8004233G1	B	POWER SUPPLY, PLATE /SCREEN GRID/ SEE FIGURE 20 FOR BREAK-DOWN/	1	
- 14	8004930G1	B	CONVERTER, AC TO AC /SEE FIGURE 21 FOR BREAKDOWN/	1	
- 15	8004230G1	B	CAVITY ASSEMBLY, TUNED /SEE FIGURE 22 FOR BREAKDOWN/	1	A
	8004230G2	B	CAVITY ASSEMBLY, TUNED /SEE FIGURE 22 FOR BREAKDOWN/	1	B
- 16	507577-1	B	KNOB, CONTROL	1	
- 17	8004236G1	B	POWER SUPPLY, CONTROL GRID /THERMAL CONTROL/ SEE FIGURE 23 FOR BREAKDOWN/	1	
- 18	8004227G1	B	BUFFER AMPLIFIER/MULTIPLIER, ELECTRICAL INSTRUMENT /SEE FIGURE 24 FOR BREAKDOWN/	1	
		D	ATTACHING PARTS		
	MS35206-215	B	SCREW	5	
	MS27183-3	B	WASHER	5	
	MS35338-40	B	WASHER	5	
	MS25082-7	B	NUT	1	
	8105252-1	B	WASHER, FLAT	2	
	517682-1	B	WASHER, LOCK, INTERNAL TOOTH	1	
- 19	8004205G1	B	FRAME ASSEMBLY, AMPLIFIER /SEE FIGURE 25 FOR BREAKDOWN/	1	
	8006149G3	B	INTERFACE CABLE KIT	1	
	8006147G3	C	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 20	514273-2	D	TERMINAL, LUG, CRIMP TYPE	3	
- 21	UP131M	D	CONNECTOR	1	
- 22	516665-24	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 23	516665-25	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 24	507309-1	D	INSULATOR, CONNECTOR	1	
- 25	502079-1	D	CONNECTOR, RECEPTACLE, ELECTRICAL, THREE WIRE, TWIST-LOCK	1	
	8006145G1	C	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 26	M39012-05-0001	D	CONNECTOR	2	
- 27	516665-16	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 28	516665-17	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 29	RG213U	D	CABLE, RF	AR	
	8006145G2	C	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 30	M39012-05-0001	D	CONNECTOR	2	
- 31	516665-18	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 32	516665-19	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 33	RG214U	D	CABLE, RF	AR	
	8006150G1	C	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 34	MS3108R18-1S	D	CONNECTOR	1	
- 35	MS3108R18-1P	D	CONNECTOR	1	
- 36	500126-1	D	ADAPTER, CONNECTOR, RFI	2	
- 37	MS3057-6A	D	CLAMP	2	
- 38	516665-15	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 39	516665-14	D	MARKER, TUBING, HEAT SHRINKABLE	1	
- 40	501216-1	D	CABLE, SPECIAL PURPOSE, ELECTRICAL	AR	
20 -	8004233G1	A	POWER SUPPLY, PLATE /SCREEN GRID/ SEE FIGURE 19 FOR NHA/	REF	
- 1	8004738-1	B	COVER, PROTECTION	1	
- 2	8006133-1	B	CLAMP	1	
		D	ATTACHING PARTS		
	MS35206-228	B	SCREW	1	
	MS35338-41	B	WASHER	1	
	MS35649-262	B	NUT	1	
- 3	8004383-1	B	SPACER, SLEEVE	2	
		D	ATTACHING PARTS		
	MS24693S270	B	SCREW	2	
	MS35207-261	B	SCREW	2	
	MS27183-8	B	WASHER	2	
	MS35338-43	B	WASHER	4	





2-46

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
20- 4	RW21V153	B	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
	8006129-1	B	RESISTOR, FIXED /USED IN EARLY CONFIGURATIONS/	1	
	509428-1	B	RESISTOR, FIXED, POWER /USED IN LATER CONFIGURATIONS/ ATTACHING PARTS	1	
	MS35206-226	B	SCREW	2	
- 4A	MS27183-5	B	WASHER	2	
	MS35338-41	B	WASHER	2	
	8006129-1	B	RESISTOR, FIXED /USED IN EARLY CONFIGURATIONS/	1	
	509428-1	B	RESISTOR, FIXED, POWER /USED IN LATER CONFIGURATIONS/ ATTACHING PARTS	1	
- 5	MS35206-226	B	SCREW	2	
	MS27183-5	B	WASHER	2	
	MS35338-41	B	WASHER	2	
	NL422W01-004	B	INSULATOR /ONLY 1 USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/ ATTACHING PARTS	4	
- 6	MS35190-234	B	SCREW /ONLY 1 USED IN EARLY CONFIGURATIONS/ ATTACHING PARTS	4	
	NL523W01-004	B	INSULATOR /USED IN LATER CONFIGURATIONS/ ATTACHING PARTS	4	
	MS24693C24	B	SCREW /USED IN LATER CONFIGURATIONS/ ATTACHING PARTS	4	
	JAN1N3009B	B	SEMICONDUCTOR DEVICE, DIODE /USED IN EARLY CONFIGURATIONS/ SEMICONDUCTOR DEVICE, DIODE /USED IN LATER CONFIGURATIONS/ ATTACHING PARTS	3	
- 7	511862-1	B	WASHER /ADDED IN LATER CONFIGURATIONS/ ATTACHING PARTS	3	
	MS25082-3	B	NUT	3	
	MS35338-43	B	WASHER	3	
	MS27183-42	B	WASHER	3	
- 8	MS27183-42	B	WASHER	3	
	507293-1	B	INSULATOR, ELECTRICAL	6	
	512277-2	B	BUSHING, SLEEVE	3	
	MS35431-8	B	TERMINAL	3	
- 10	511826-1	B	TRANSISTOR, NPN, SILICON /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/ ATTACHING PARTS	1	
	MS35206-229	B	SCREW	2	
	MS35338-41	B	WASHER	2	
	MS27183-5	B	WASHER	2	
- 11	MS35649-262	B	NUT	2	
	514267-2	B	TERMINAL, LUG /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	2	
	507292-2	B	INSULATOR, TRANSISTOR /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
	507292-3	B	WASHER, SHOULDERED /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/	1	
- 12	8004525G1	B	POWER SUPPLY SUBASSEMBLY, PLATE/SCREEN GRID ATTACHING PARTS	1	
	MS35206-213	B	SCREW	5	
	MS27183-3	B	WASHER	5	
	MS35338-40	B	WASHER	5	
- 13	511829-1	C	SEMICONDUCTOR DEVICE, RECTIFIER	4	
	RC42GF273J	C	RESISTOR	3	
	RCR20G100JR	C	RESISTOR	2	
	RCR07G433JR	C	RESISTOR	1	
- 14	RN55D1651F	C	RESISTOR	1	
	RN60D1501F	C	RESISTOR	1	
	RCR20G123JR	C	RESISTOR	1	
	RCR20G221JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 15	RCR20G272JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
	RCR20G511JR	C	RESISTOR /USED IN LATEST CONFIGURATIONS/	1	
	RN70D1004F	C	RESISTOR	1	
	RN70D1334F	C	RESISTOR	1	
- 16	CP09A1KC104K3	C	CAPACITOR	1	
	RCR07G562JR	C	RESISTOR	1	
	RCR07G222JR	C	RESISTOR	1	
	RCR07G914JR	C	RESISTOR	1	
- 17	RCR20G622JR	C	RESISTOR	1	
	RCR20G106JR	C	RESISTOR	1	
	RC42GF394J	C	RESISTOR	5	
	8004573G1	C	PRINTED WIRING BOARD	1	
- 18	514266-302	D	TERMINAL, UNINSULATED	21	
	8004573-1	D	PRINTED WIRING BOARD	1	
	517689-1	B	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	3	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	3	
- 19	MS35207-268	B	SCREW	3	
	8004655G1	B	BRACKET, CIRCUIT CARD ATTACHING PARTS	1	
	MS35190-236	B	SCREW	4	
	MS27183-5	B	WASHER	4	
- 20	MS35338-41	B	WASHER	4	
	MS35649-262	B	NUT	4	

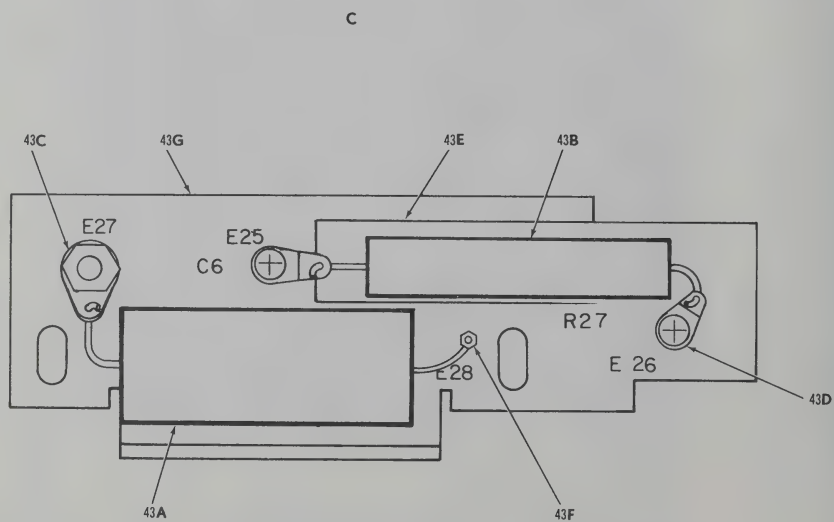
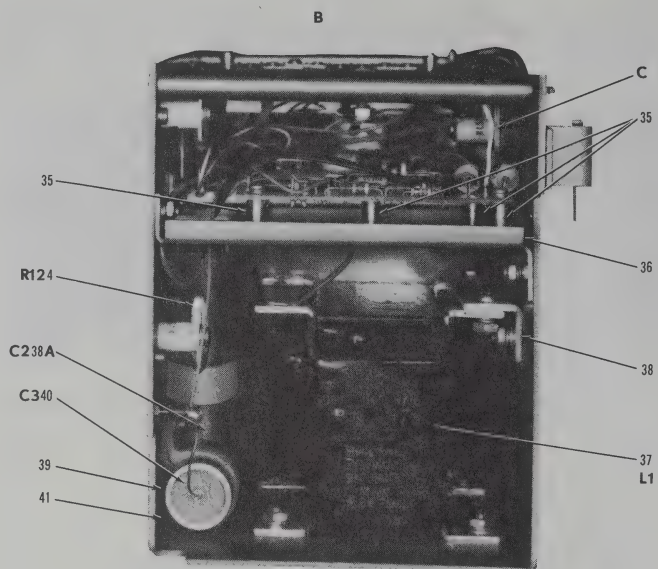


Figure 20. Power Supply, Plate/Screen Grid, 2A4 (Sheet 2 of 2)



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
20 - 35	410771-6	C	SPACER, THREADED	5	
- 36	8004655-1	C	BRACKET, SUPPORT	1	
- 37	515322-1	B	INDUCTOR, POWER, AF ATTACHING PARTS	1	
	MS24693549	B	SCREW	4	
	MS35206-244	B	SCREW	2	
	MS27183-7	B	WASHER	6	
	MS35338-42	B	WASHER	6	
	MS35649-282	B	NUT	6	
			---*---		
- 38	8004653-1	B	BRACKET, ANGLE ATTACHING PARTS	1	
	MS24693549	B	SCREW	2	
	MS27183-7	B	WASHER	2	
	MS35338-42	B	WASHER	2	
	MS35649-282	B	NUT	2	
			---*---		
- 38A	CP12A1KG394K3	B	CAPACITOR /USED IN EARLY CONFIGURATIONS, DELETED IN LATER CONFIGURATIONS/ ATTACHING PARTS	1	
	MS35190-236	B	SCREW	1	
	MS35338-41	B	WASHER	1	
	MS35649-262	B	NUT	1	
			---*---		
- 39	MS25281F14	B	CLAMP ATTACHING PARTS	1	
	MS35190-238	B	SCREW	1	
	MS27183-5	B	WASHER	1	
	MS35338-41	B	WASHER	1	
	MS35649-262	B	NUT	1	
			---*---		
- 40	501182-3	B	CAPACITOR, ELECTROLYTIC, ALUMINUM, TUBULAR	1	
- 41	514267-2	B	TERMINAL, LUG TYPE ATTACHING PARTS	1	
	MS35190-236	B	SCREW	1	
	MS35649-262	B	NUT	1	
			---*---		
- 42	8004652-1	B	BRACKET, MOUNTING, CAPACITOR ATTACHING PARTS	1	
	MS24693550	B	SCREW	2	
	MS27183-7	B	WASHER	2	
	MS35338-42	B	WASHER	2	
	MS35649-282	B	NUT	2	
			---*---		
- 43	8004651-1	B	BRACKET, ANGLE /USED IN EARLY CONFIGURATIONS/ ATTACHING PARTS	1	
	MS35206-244	B	SCREW	2	
	MS27183-7	B	WASHER	2	
	MS35338-42	B	WASHER	2	
	MS35649-282	B	NUT	2	
			---*---		
	8009570G1	B	FILTER ASSEMBLY, TRANSIENT /USED IN LATER CONFIGURATIONS/ ATTACHING PARTS	1	
	MS35206-244	B	SCREW	2	
	MS35338-42	B	WASHER	2	
	MS27183-7	B	WASHER	2	
	MS35649-282	B	NUT	2	
			---*---		
- 43A	501187-1	C	CAPACITOR, FIXED, MYLAR DIELECTRIC, 1 UF, 20% @ 1000 HZ PORM 100 HZ, 600 VDC @ -55 TO PLUS 85 DEG C. DERATE TO 300 VDC @ 125 DEG C	1	
- 43B	RW68V100	C	RESISTOR	1	
- 43C	MS77068-2	C	TERMINAL, LUG ATTACHING PARTS	3	
	MS24693C24	C	SCREW	2	
	MS24693C25	C	SCREW	1	
	MS35206-225	C	SCREW	2	
	MS35649-262	C	NUT	1	
			---*---		
- 43D	NL523W01-004	C	INSULATOR	2	
- 43E	8009568-1	C	INSULATOR	1	
- 43F	SE109D01	C	TERMINAL ATTACHING PARTS	1	
	MS24693C1	C	SCREW	1	
			---*---		
- 43G	8009569-1	C	CLIP, COMPONENT MOUNTING	1	
- 44	501911-2	B	CLIP, SPRING, TENSION, WIRE TIE	1	
- 45	8102535-4	B	LUG, TERMINAL, LOCKING	4	
- 46	8007542-1	B	PLATE, GROUND, INSULATED /ADDED IN LATER CONFIGURATIONS/	1	
- 47	8007543-1	B	SPRING, CONTACT /ADDED IN LATER CONFIGURATIONS/	1	
- 48	501160-2	B	CAPACITOR, FIXED, MYLAR PAPER DIELECTRIC, DUAL	1	

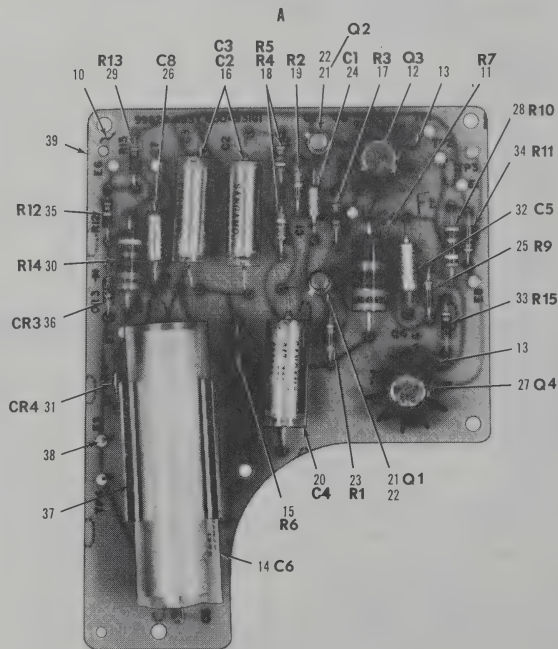
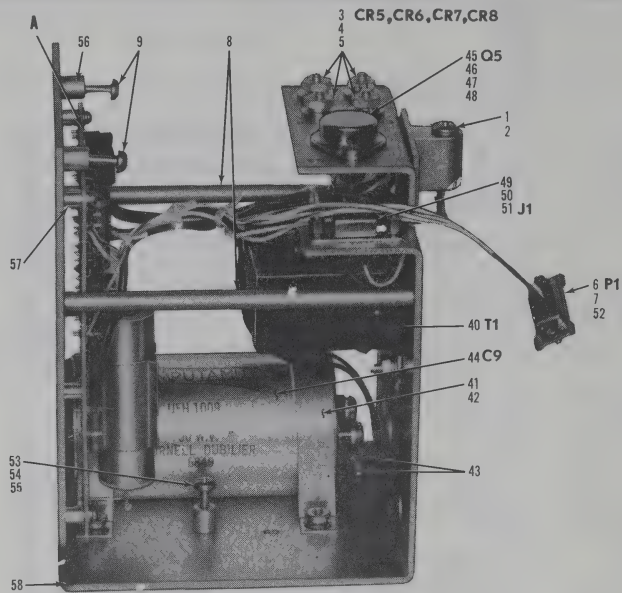


Figure 21. Converter, AC to AC, 2A2

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
20 - 49	502105-1	B	CONTACT, PIN, ELECTRICAL	14	
- 50	502106-3	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 51	8004716-1	B	STRAP, JUMPER, TERMINAL BOARD	3	
- 52	40TB8	B	TERMINAL BOARD	1	
			ATTACHING PARTS		
	518877-39	B	BOLT, INTERNALLY RELIEVED BODY	2	
	MS27183-5	B	WASHER	2	
	MS35338-41	B	WASHER	2	
	MS35649-262	B	NUT	2	
			---*---		
- 53	8004384-1	B	MARKER, IDENTIFICATION	1	
- 54	8004654-1	B	SUPPORT, TERMINAL BOARD	1	
			ATTACHING PARTS		
	MS35190-236	B	SCREW	2	
	MS35206-228	B	SCREW	2	
	MS27183-5	B	WASHER	4	
	MS35338-41	B	WASHER	4	
	MS35649-262	B	NUT	4	
			---*---		
- 54A	501243-1	B	CAPACITOR, FIXED, CERAMIC DIELECTRIC /ADDED IN LATER CONFIG- URATIONS/	1	
- 55	515303-2	B	TRANSFORMER, POWER, STEP-UP	1	
			ATTACHING PARTS		
	MS24693S272	B	SCREW	7	
	MS27183-42	B	WASHER	8	
	MS35338-43	B	WASHER	8	
	MS35650-302	B	NUT	8	
			---*---		
	8004650G1	B	SUPPORT, TRANSFORMER	1	
			ATTACHING PARTS		
	MS24693S272	B	SCREW	1	
			---*---		
- 56	508566-5	C	NUT, SELF-LOCKING, CLINCH /USED IN EARLY CONFIGURATIONS/	1	
	508566-8	C	NUT, SELF-LOCKING, CLINCH /USED IN LATER CONFIGURATIONS/	1	
- 57	8004650-1	C	SUPPORT, TRANSFORMER	1	
	8004943G1	B	SUPPORT, TRANSFORMER	1	
			ATTACHING PARTS		
	MS24693S272	B	SCREW	1	
			---*---		
- 58	508566-5	C	NUT, SELF-LOCKING, CLINCH /USED IN EARLY CONFIGURATIONS/	1	
	508566-8	C	NUT, SELF-LOCKING, CLINCH /USED IN LATER CONFIGURATIONS/	1	
- 59	512784-3	C	STUD, CAPTIVE, PRESS-IN	1	
- 60	8004943-1	C	STRIP, SUPPORT	1	
	8004359G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 61	514264-405	C	TERMINAL, STUD, INSULATED	1	
- 62	508566-4	C	NUT, SELF-LOCKING, CLINCH /USED IN EARLY CONFIGURATIONS/	6	
	508566-7	C	NUT, SELF-LOCKING, CLINCH /USED IN LATER CONFIGURATIONS/	6	
- 63	8004359G2	C	FRAME	1	





FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
21 -	8004930G1	A	CONVERTER, AC TO AC /SEE FIGURE 19 FOR NHA/	REF	
- 1	MS35207-268	B	SCREW	1	
- 2	517689-1	B	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	1	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	1	
- 3	JAN1N1614	B	SEMICONDUCTOR DEVICE, DIODE	4	
			ATTACHING PARTS		
	MS25082-3	B	NUT	4	
	MS35338-43	B	WASHER	4	
	AN960-10L	B	WASHER	8	
- 4	507293-1	B	INSULATOR, ELECTRICAL	8	
- 5	507293-2	B	INSULATOR, ELECTRICAL	4	
	MS35431-8	B	TERMINAL	4	
			-----*-----		
- 6	502056-101	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 7	502056-301	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 8	8004535-1	B	SPACER, SLEEVE	2	
			ATTACHING PARTS		
	MS24693S26	B	SCREW	4	
			-----*-----		
- 9	8104283-3	B	SCREW, CAPTIVE	2	
- 10	8004931G1	B	CIRCUIT CARD ASSEMBLY, CONVERTER, AC TO AC	1	
			ATTACHING PARTS		
	MS35206-215	B	SCREW	5	
	MS27183-6	B	WASHER	5	
	MS35338-40	B	WASHER	5	
			-----*-----		
- 11	RC42GF331J	C	RESISTOR	1	
- 12	JAN2N1613	C	TRANSISTOR /USED IN EARLY CONFIGURATIONS/	1	
	JAN2N1893	C	TRANSISTOR /USED IN LATER CONFIGURATIONS/	1	
- 13	506475-1	C	HEAT SINK	2	
- 14	501188-30	C	CAPACITOR, FIXED	1	
- 15	RCR07G272JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G392JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 16	CP09A1KC223K3	C	CAPACITOR	2	
- 17	RCR07G332JR	C	RESISTOR	1	
- 18	RCR07G393JR	C	RESISTOR	2	
- 19	RCR07G124JR	C	RESISTOR	1	
- 20	CP09A1KC473K3	C	CAPACITOR	1	
- 21	JAN2N2222A	C	TRANSISTOR	2	
- 22	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	2	
- 23	RCR07G472JR	C	RESISTOR	1	
- 24	M39003-01-2338	C	CAPACITOR	1	
- 25	RCR07G102JR	C	RESISTOR	1	
- 26	M39003-01-2271	C	CAPACITOR	1	
- 27	JAN2N1132	C	TRANSISTOR	1	
- 28	RCR20G392JR	C	RESISTOR	1	
- 29	RCR07G621JR	C	RESISTOR	1	
- 30	RCR32G330JR	C	RESISTOR	1	
- 31	JAN1N914	C	SEMICONDUCTOR DEVICE, DIODE	1	
- 32	M39003-01-2286	C	CAPACITOR	1	
- 33	RCR07G820JR	C	RESISTOR	1	
- 34	RCR07G683JR	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G392JR	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
	RCR07G683JS	C	RESISTOR /USED IN LATEST CONFIGURATIONS/	1	
- 35	RCR07G154JR	C	RESISTOR	1	
- 36	JAN1N459	C	SEMICONDUCTOR DEVICE, DIODE	1	
	8004932G1	C	PRINTED WIRING BOARD	1	
- 37	MS17160-32	D	CLIP	1	
			ATTACHING PARTS		
	MS16535-133	D	RIVET	2	
			-----*-----		
- 38	514266-302	D	TERMINAL, UNINSULATED	11	
- 39	8004932-1	D	PRINTED WIRING BOARD	1	
- 40	515326-1	B	TRANSFORMER, POWER, STEP-DOWN	1	
			ATTACHING PARTS		
	MS24693S50	B	SCREW	4	
	MS27183-7	B	WASHER	4	
	MS35338-42	B	WASHER	4	
	MS35649-282	B	NUT	4	
			-----*-----		
	8004534G1	B	STRAP ASSEMBLY, CAPACITOR	2	
			ATTACHING PARTS		
	MS24693S26	B	SCREW	4	
	MS27183-6	B	WASHER	4	
	MS35338-41	B	WASHER	4	
	MS35649-262	B	NUT	4	
			-----*-----		
- 41	8004534-2	C	RUBBER STRIP	1	
- 42	8004534-1	C	CLAMP, CAPACITOR	1	
- 43	8102535-4	B	LUG, TERMINAL, LOCKING	2	
			ATTACHING PARTS		
	MS51958-59	B	SCREW /ADDED IN LATER CONFIGURATIONS/	2	
			-----*-----		
- 44	501178-5	B	CAPACITOR, FIXED, ELECTROLYTIC ALUMINUM	1	

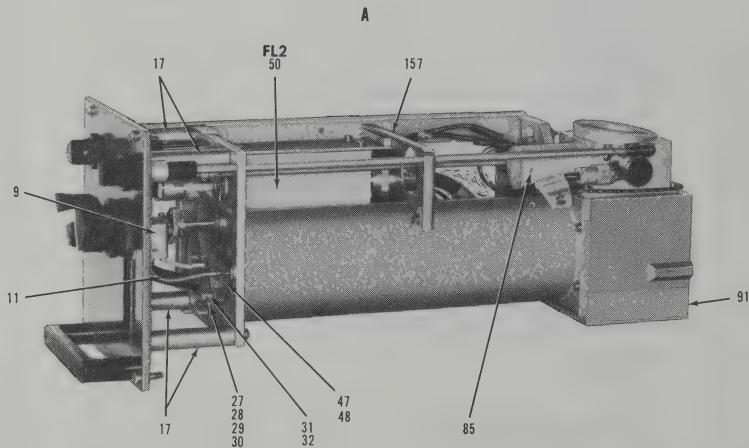
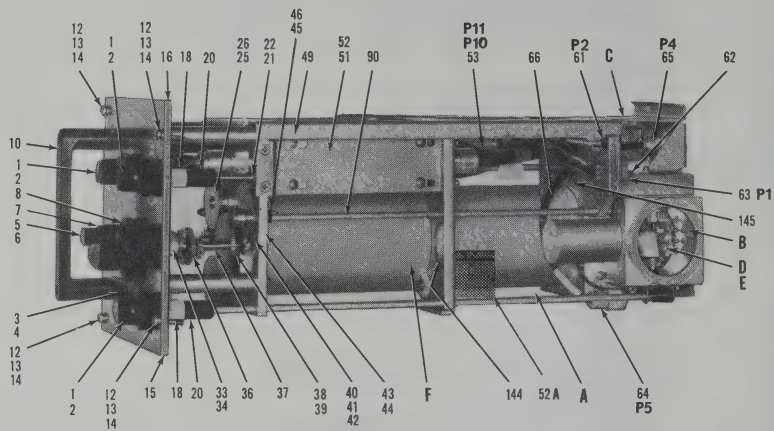


Figure 22. Cavity Assembly, Tuned, 2A7 (Sheet 1 of 3)

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
21 - 45	511793-1	B	TRANSISTOR, NPN, POWER ATTACHING PARTS	1	
	MS35206-230	B	SCREW	2	
	MS27183-6	B	WASHER	2	
	MS35333-37	B	WASHER	1	
	MS35338-41	B	WASHER	1	
	MS35649-262	B	NUT	2	
			-----*		
- 46	507292-1	B	MOUNTING PAD, ELECTRONIC COMPONENT	1	
- 47	507292-3	B	WASHER, SHOULDERED	2	
- 48	514267-2	B	TERMINAL, LUG TYPE	1	
- 49	502056-402	B	CONTACT, ELECTRICAL	2	
- 50	502056-311	B	RETAINER, ELECTRICAL CONNECTOR ATTACHING PARTS	2	
	MS35333-36	B	WASHER /ADDED IN LATER CONFIGURATIONS/ -----*	2	
- 51	502056-201	B	CONNECTOR, PLUG, ELECTRICAL	1	
- 52	502056-401	B	CONTACT, ELECTRICAL	5	
- 53	8104283-3	B	SCREW, CAPTIVE	1	
- 54	MS27183-7	B	WASHER	1	
- 55	MS35338-42	B	WASHER	1	
	8004935G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 56	8004694-1	C	RETAINER, SCREW	3	
- 57	410771-25	C	SPACER, THREADED	5	
- 58	8004935G2	C	CHASSIS	1	
22 -	8004230G1	A	CAVITY ASSEMBLY, TUNED /SEE FIGURE 19 FOR NHA/	REF	A
	8004230G2	A	CAVITY ASSEMBLY, TUNED /SEE FIGURE 19 FOR NHA/	REF	B
- 1	MS91528-1N2B	B	KNOB	3	
- 2	507976-1	B	DIAL-KNOB LOCK	3	
	8004760G1	B	HOLDER ASSEMBLY, CARD	1	
- 3	8004760-2	C	TAPE, PRESSURE SENSITIVE, ADHESIVE	1	
- 4	8004760-1	C	HOLDER, CARD	1	
- 5	MS91528-3S2B	B	KNOB	1	
- 6	8007511-1	B	SHIM /ADDED IN LATER CONFIGURATIONS/	AR	
	8007511-2	B	SHIM /ADDED IN LATER CONFIGURATIONS/	AR	
	8007511-3	B	SHIM /ADDED IN LATER CONFIGURATIONS/	AR	
	8007511-4	B	SHIM /ADDED IN LATER CONFIGURATIONS/	AR	
- 7	8007529-1	B	SPRING, HELICAL, COMPRESSION /ADDED IN LATER CONFIGURATIONS/	1	
- 8	507976-2	B	DIAL-KNOB LOCK	1	
- 9	8004727-1	B	COUNTER, REVOLUTION, MODIFIED ATTACHING PARTS	1	
	MS35206-213	B	SCREW	2	
	MS27183-3	B	WASHER	2	
	MS35338-40	B	WASHER	2	
			-----*		
- 10	8004517-1	B	HANDLE, PANEL, FRONT ATTACHING PARTS	1	
	8006103-3	B	SCREW, MACHINE	2	
			-----*		
- 11	8004666-1	B	SPRING, HELICAL	1	
- 12	8004846-1	B	SCREW, CAPTIVE /USED IN EARLY CONFIGURATIONS/	4	
	8004846-4	B	SCREW, CAPTIVE /USED IN LATER CONFIGURATIONS/	4	
- 13	MS27183-7	B	WASHER	4	
- 14	8006793-1	B	SPACER /ADDED IN LATER CONFIGURATIONS/	4	
- 15	512139-1	B	SHIELDING GASKET, ELECTRONIC /USED IN EARLY CONFIGURATIONS/	1	
	512139-3	B	SHIELDING GASKET, ELECTRONIC /USED IN LATER CONFIGURATIONS/	1	
- 16	8004485-1	B	PANEL, FRONT ATTACHING PARTS	1	
	MS24693S51	B	SCREW	4	
			-----*		
- 17	8004669-1	B	SPACER, SLEEVE ATTACHING PARTS	4	
	MS35206-246	B	SCREW	4	
	MS27183-7	B	WASHER	4	
	MS35338-42	B	WASHER	4	
			-----*		
- 18	8004667-1	B	RUSHING, THREADED	3	
- 19	MS16562-194	B	PIN, SPRING	1	
- 20	512140-2	B	SHAFT, COUPLING	3	
- 21	8004725-1	B	SHAFT, GEAR	1	
- 22	8004868-1	B	GEAR, SPUR	1	
	8004883G1	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 23	M39012-01-0002	C	CONNECTOR /USED IN EARLY CONFIGURATIONS/	2	
	M39012-01-0005	C	CONNECTOR /USED IN LATER CONFIGURATIONS	2	
- 24	RG213U	C	CABLE, RF	AR	
- 25	MS51963-21	B	SETSCREW	2	
- 26	8004671-1	B	GEAR, SPUR	1	
- 27	8004665-1	B	SCREW, SHOULDER	1	
- 28	MS21332-21	B	GUIDE	1	

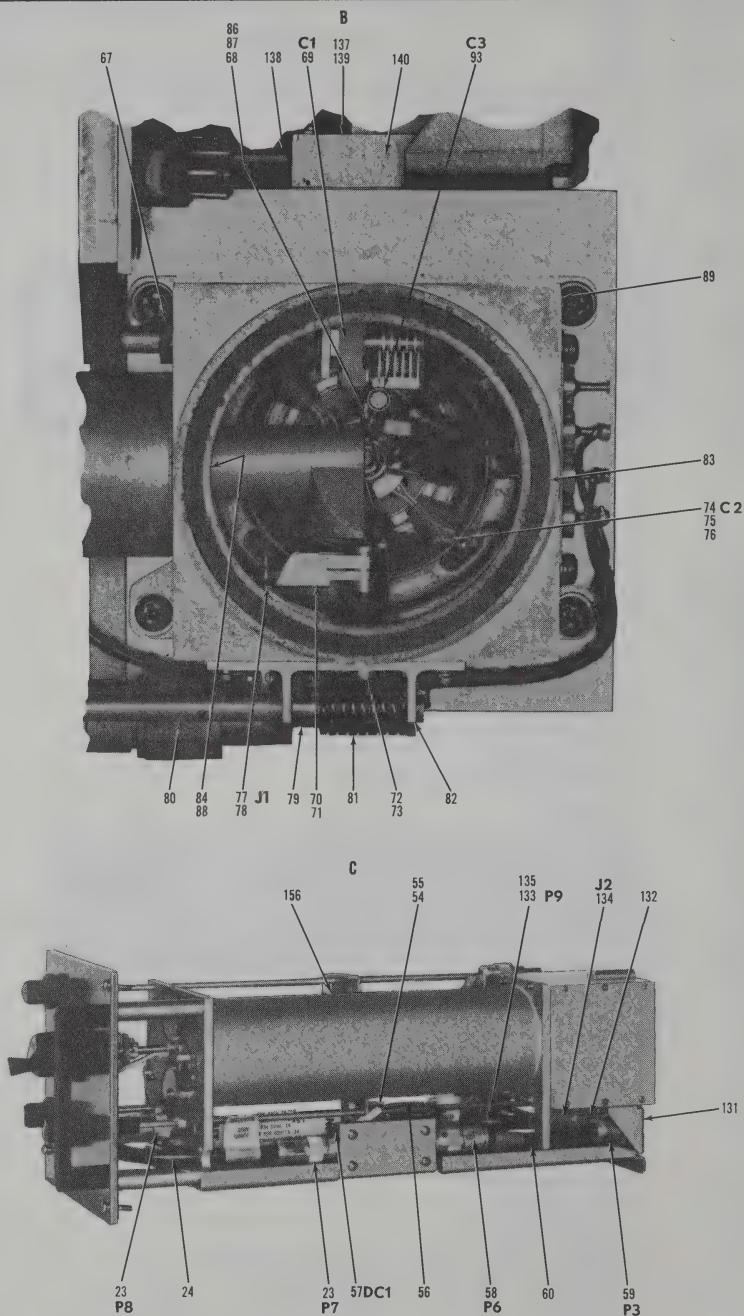


Figure 22. Cavity Assembly, Tuned, 2A7 (Sheet 2 of 3)



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
22 - 29	MS21332-11	B	LATCH	1	
- 30	MS21332-41	B	WASHER	2	
- 31	MS16562-206	B	PIN, SPRING	1	
- 32	8004265-1	B	ROD, FREQUENCY RANGE SHIFT	1	
- 33	8004667-2	B	BUSHING, THREADED	1	
- 34	8004756-1	B	SHAFT, SHOULDERED	1	
- 35	517900-3	B	WIRE, ELECTRICAL, INSULATED, HIGH VOLTAGE	AR 1	
- 36	502094-1	B	COUPLING, SHAFT, FLEXIBLE	1	
- 37	8004271-1	B	SHAFT, SHOULDERED	1	
- 38	MS51963-22	B	SETSCREW	2	
- 39	8004672-1	B	GEAR, SPUR	1	
- 40	MS51963-9	B	SETSCREW	2	
- 41	MS16562-211	B	PIN /USED IN EARLY CONFIGURATIONS WITH ITEM 42, IF PIN CAUSES INTERFERENCE, REMOVE AND DISCARD/	1	
- 42	8004726-1	B	GEAR, SPUR	1	
- 43	512725-18	B	SPACER, PRECISION SHAFT	3	
- 44	MS16624-1018	B	RING, RETAINING /USED IN EARLY CONFIGURATIONS/	1	
	MS16633-4018	B	RING, RETAINING /USED IN LATER CONFIGURATIONS/	1	
	8006796G1	B	CLAMP /OPTIONAL PART TO BE USED IF RETAINING RING MUST BE REPLACED AT DEPOT MAINTENANCE/	1	
- 45	8006796-1	C	CLAMP, RIGHT	1	
			ATTACHING PARTS		
	MS51957-15	C	SCREW	1	
	MS35338-135	C	WASHER	1	
			---*---		
- 46	8006796-2	C	CLAMP, LEFT	1	
- 47	MS51963-21	B	SETSCREW	2	
- 48	8004671-1	B	GEAR, SPUR	1	
- 49	8004663-1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
			ATTACHING PARTS		
	MS24693-26	B	SCREW	4	
			---*---		
- 50	505516-13	B	FILTER, RF, LOW PASS, 225-400 MHZ	1	A
	505516-23	B	FILTER, RF, LOW PASS, 116-150 MHZ	1	B
			ATTACHING PARTS		
	MS35206-228	B	SCREW	4	
	MS27183-5	B	WASHER	4	
	MS35338-41	B	WASHER	4	
			---*---		
	8004884G1	B	PLATE ASSEMBLY, MOUNTING	1	
			ATTACHING PARTS		
	MS35206-228	B	SCREW	4	
	MS27183-5	B	WASHER	4	
	MS35338-41	B	WASHER	4	
			---*---		
- 51	508566-3	C	NUT, SELF-LOCKING, CLINCH /USED IN EARLY CONFIGURATIONS/	2	
	508566-6	C	NUT, SELF-LOCKING, CLINCH /USED IN LATER CONFIGURATIONS/	2	
- 52	8004884-1	C	PLATE, MOUNTING	1	
- 52A	505541-1	B	FILTER, LOW PASS /ADDED IN LATER CONFIGURATIONS/	1	A
			ATTACHING PARTS		
	MS51957-31	B	SCREW	1	
	MS35338-41	B	WASHER	1	
	MS27183-5	B	WASHER	2	
	MS35649-262	B	NUT	1	
			---*---		
- 53	UG1465U	B	CONNECTOR	2	
- 54	516665-9	B	MARKER, TUBING, HEAT SHRINKABLE	1	
- 55	516665-10	B	MARKER, TUBING, HEAT SHRINKABLE	1	
- 56	RG188U	B	CABLE, RF	AR 1	
- 57	509146-13	B	DETECTOR, POWER DIRECTIONAL, 225-400 MHZ	1	A
	509146-23	B	DETECTOR, POWER, DIRECTIONAL, 116-150 MHZ	1	B
			ATTACHING PARTS		
	MS35206-227	B	SCREW	4	
	MS27183-5	B	WASHER	4	
	MS35338-41	B	WASHER	4	
			---*---		
- 58	8004729G1	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
	M39012-01-0002	C	CONNECTOR /USED IN EARLY CONFIGURATIONS/	1	
	M39012-01-0005	C	CONNECTOR /USED IN LATER CONFIGURATIONS/	1	
- 59	502080-2	C	CONNECTOR, COAXIAL, TYPE N PUSH-ON	1	
- 60	RG213U	C	CABLE, RF	1	
- 61	502093-2	B	CONNECTOR, PUSH-ON, HIGH VOLTAGE	1	
- 62	502105-1	B	CONTACT, PIN, ELECTRICAL	8	
- 63	502106-1	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
	8004728G1	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
- 64	502082-6	C	CONNECTOR, PLUG, ELECTRICAL	1	
- 65	502080-3	C	CONNECTOR, COAXIAL, TYPE N PUSH-ON	1	
- 66	RG58CU	C	CABLE, RF	1	
	8004234G1	B	NETWORK, IMPEDANCE, MATCHING	1	A
	8004234G2	B	NETWORK, IMPEDANCE, MATCHING	1	B
			ATTACHING PARTS		
	MS35206-228	B	SCREW	4	
	MS35206-213	B	SCREW	2	
	MS27183-5	B	WASHER	4	

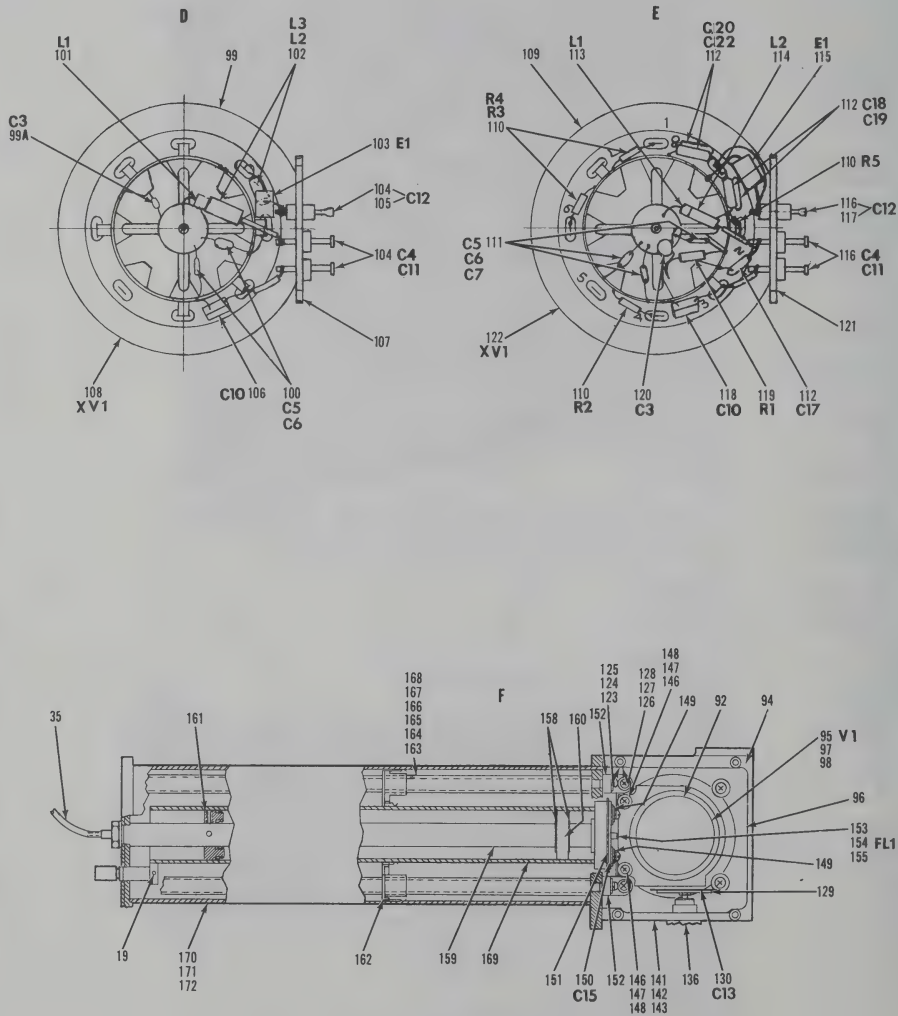


Figure 22. Cavity Assembly, Tuned, 2A7 (Sheet 3 of 3)

FIGURE AND INDEX NUMBER	PART NUMBER	I D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
22	MS27183-3	B	WASHER	2	
	MS35338-41	B	WASHER	4	
	MS35338-40	B	WASHER	2	
			-----*		
- 67	512140-1	C	SHAFT, COUPLING	1	
- 68	8004820-1	C	BRACKET, ANGLE	1	
- 69	8004731-1	C	CAPACITOR, VARIABLE, MODIFIED /USED IN EARLY CONFIGURATIONS/	1	A
	501185-15	C	CAPACITOR, VARIABLE, AIR DIELECTRIC /USED IN LATER CONFIGURATIONS/	1	A
	8004731-2	C	CAPACITOR, VARIABLE, MODIFIED ATTACHING PARTS	1	B
	MS35333-40	C	WASHER	1	
			-----*		
	8004284G1	C	CONTACT, ELECTRICAL, INPUT	1	
- 70	8004284-2	D	CONTACT, ELECTRICAL	1	
- 71	8004284-1	D	CONTACT, ELECTRICAL	1	
- 72	MS51963-9	C	SETSCREW	2	
- 73	8004681-1	C	GEAR, WORM	1	
- 74	8004686G1	C	PLATE ASSEMBLY, ADJUSTABLE	1	A
	8004686G2	C	PLATE ASSEMBLY, ADJUSTABLE	1	B
- 75	512140-4	D	SHAFT, COUPLING	1	
- 76	8004686-1	D	PLATE, ADJUSTABLE	1	
- 77	502082-4	C	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 78	8105252-6	C	WASHER, FLAT	1	
- 79	MS16562-11	C	PIN	1	
- 80	8004670-1	C	SHAFT, COUPLING	1	
- 81	506197-1	C	GEAR, WORM	1	
- 82	8004687-1	C	BRACKET, SUPPORT ATTACHING PARTS	1	
	MS35206-213	C	SCREW	2	
	MS27183-3	C	WASHER	2	
	MS35338-40	C	WASHER	2	
			-----*		
- 83	512138-2	C	SHIELDING, GASKET, ELECTRONIC /ADDED IN LATER CONFIGURATIONS/	1	
- 84	MS16624-1050	C	RING, RETAINING	2	
- 85	511861-1	C	SETSCREW, HEXAGON SOCKET WITH CUP POINT	4	
- 86	8004842-1	C	PLATE, END	1	
- 87	8004843-1	C	ROD, INNER	1	A
	8004843-2	C	ROD, INNER	1	B
- 88	512737-1	C	SPACER, RING	1	
- 89	8004683G1	C	HOUSING ASSEMBLY	1	A
	8004683G2	C	HOUSING ASSEMBLY	1	B
- 90	8004701-1	B	SHAFT, SHOULDERED	1	
- 91	8004753-1	B	HOUSING, DUCT, AIR ATTACHING PARTS	1	
	8004758-1	B	SCREW, CAPTIVE	4	
	MS35338-41	B	WASHER	4	
			-----*		
- 92	8004679-1	B	DUCT, AIR /USED IN EARLY CONFIGURATIONS/	1	
	8004679-3	B	DUCT, AIR /USED IN LATER CONFIGURATIONS/	1	
- 93	501231-1	B	CAPACITOR, FIXED, LOW-LOSS RF /C3 ADDED IN LATER CONFIGURATIONS, SEE INDEX 99A FOR EARLY USAGES/	1	A
- 94	8004231G1	B	CAVITY, TUNED, UHF	1	A
	8004231G2	B	CAVITY, TUNED, VHF ATTACHING PARTS	1	B
	MS35206-230	B	SCREW	6	
	MS27183-5	B	WASHER	6	
	MS35338-41	B	WASHER	6	
			-----*		
- 95	504809-1	C	ELECTRON TUBE, RF POWER TETRODE	1	
- 96	8004270G1	C	TUBE, CONTACT STRIP SUPPORT	1	A
	8004270G2	C	TUBE, CONTACT STRIP SUPPORT	1	B
- 97	8004679-2	C	DUCT, AIR	1	
- 98	505900-1	C	GASKET, RF /ADDED IN LATER CONFIGURATIONS/	1	
- 99	8004794G1	C	SOCKET, ELECTRON TUBE ATTACHING PARTS	1	A
	MS35206-228	C	SCREW	4	
	MS27183-6	C	WASHER	4	
	MS35338-41	C	WASHER	4	
			-----*		
- 99A	CK608X3R3K	D	CAPACITOR /C3 USED IN EARLIEST CONFIGURATIONS/	1	
	501217-1	D	CAPACITOR, FIXED, PORCELAIN DIELECTRIC /C3 USED IN LATER CONFIGURATIONS/	1	
-100	CK608X3R3K	D	CAPACITOR /C5 AND C6 USED IN EARLY CONFIGURATIONS/	2	
	501217-1	D	CAPACITOR, FIXED, PORCELAIN DIELECTRIC /C5 AND C6 USED IN LATER CONFIGURATIONS	2	
-101	512134-1	D	SHIELD, RF INTERFERENCE, BEAD TYPE	1	
-102	MS75008-22	D	COIL, RF	2	
-103	509204-2	D	PROTECTOR, VOLTAGE TRANSIENT /ADDED IN LATER CONFIGURATIONS, THEN REPLACED BY 509204-3/	1	
	509204-3	D	PROTECTOR, VOLTAGE TRANSIENT /REPLACES 509204-2 IN LATER CONFIGURATIONS/	1	

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
22 -104	501172-1	D	CAPACITOR, FIXED, CERAMIC DIELECTRIC, FEEDTHRU /C12 USED IN EARLY CONFIGURATIONS/	3	
-105	501218-1	D	CAPACITOR, FIXED, FEEDTHRU /C12 USED IN LATER CONFIGURATIONS/	1	
-106	501365-21	D	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS /USED IN EARLY CONFIGURATIONS/	1	
	CM05FD331J03	D	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
-107	8004684-1	D	PLATE, MOUNTING	1	
-108	512398-1	D	SOCKET, ELECTRON TUBE	1	
-109	8004794G2	C	SOCKET, ELECTRON TUBE	1	B
			ATTACHING PARTS		
	MS35206-228	C	SCREW	4	
	MS27183-6	C	WASHER	4	
	MS35338-41	C	WASHER	4	
			---*---		
-110	RCR07G200JR	D	RESISTOR	4	
-111	CK608X6R8K	D	CAPACITOR /ALTERNATE PART 501240-10/	3	
-112	CM05FD121J03	D	CAPACITOR	5	
-113	512134-1	D	SHIELD, RF INTERFERENCE, BEAD TYPE	1	
-114	MS75008-22	D	COIL, RF	1	
-115	509204-2	D	PROTECTOR, VOLTAGE TRANSIENT /ADDED IN LATER CONFIGURATIONS, THEN REPLACED BY 509204-3/	1	
	509204-3	D	PROTECTOR, VOLTAGE TRANSIENT /REPLACES 509204-2 IN LATER CONFIGURATIONS/	1	
-116	501172-1	D	CAPACITOR, FIXED, CERAMIC DIELECTRIC, FEEDTHRU /C12 USED IN EARLY CONFIGURATIONS/	3	
-117	501218-1	D	CAPACITOR, FIXED, FEEDTHRU /C12 USED IN LATER CONFIGURATIONS/	1	
-118	501365-21	D	CAPACITOR, FIXED, CERAMIC DIELECTRIC, WAFER CHIP, LEADLESS /USED IN EARLY CONFIGURATIONS/	1	
	CM05FD331J03	D	CAPACITOR /USED IN LATER CONFIGURATIONS/	1	
-119	RCR20G473JR	D	RESISTOR	1	
-120	CK608X150K	D	CAPACITOR /ALTERNATE PART 501240-16/	1	
-121	8004684-1	D	PLATE, MOUNTING	1	
-122	512398-3	D	SOCKET, ELECTRON TUBE	1	
-123	MS35206-241	C	SCREW	1	A
-124	MS27183-7	C	WASHER	1	A
-125	MS35338-42	C	WASHER	1	A
-126	8004790-1	C	BRACKET, ANGLE	1	B
			ATTACHING PARTS		
	MS35206-218	C	SCREW	1	B
	MS27183-4	C	WASHER	1	B
	MS35649-42	C	NUT	1	B
			---*---		
-127	8004791-1	C	INSULATOR, PLATE, CAPACITOR	1	B
-128	517690-2	C	WASHER, SHOULDERED /USED IN EARLY CONFIGURATIONS/	1	B
	517690-1	C	WASHER, SHOULDERED /USED IN LATER CONFIGURATIONS/	1	B
-129	507304-1	C	INSULATOR, DISK	1	
-130	8004783-1	C	PLATE, CAPACITOR	1	
			ATTACHING PARTS		
	8004965-1	C	NUT, SPECIAL	1	
			---*---		
-131	8004676-1	C	BRACKET, MOUNTING, CONNECTOR	1	
			ATTACHING PARTS		
	MS35206-213	C	SCREW	4	
	MS27183-3	C	WASHER	4	
	MS35338-40	C	WASHER	4	
			---*---		
-132	8004780-1	C	BRACKET, MOUNTING	1	
			ATTACHING PARTS		
	MS35206-218	C	SCREW	2	
	MS27183-3	C	WASHER	2	
	MS35338-40	C	WASHER	2	
			---*---		
	8004730G1	C	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
-133	M39012-01-0002	D	CONNECTOR /USED IN EARLY CONFIGURATIONS/	1	
	M39012-01-0005	D	CONNECTOR /USED IN LATER CONFIGURATIONS/	1	
-134	502098-1	D	CONNECTOR, COAXIAL	1	
-135	RG213U	D	CABLE, RF	1	
-136	8004781-1	C	GEAR, WORM	1	
-137	MS16562-11	C	PIN, SPRING	1	
-138	8004670-2	C	SHAFT, COUPLING	1	
-139	506197-1	C	GEAR, WORM	1	
-140	8004677-1	C	BRACKET, ANGLE	1	
			ATTACHING PARTS		
	MS35206-219	C	SCREW	2	
	MS27183-3	C	WASHER	2	
	MS35338-40	C	WASHER	2	
			---*---		
-141	8006797-1	C	WASHER, SPACER /ADDED IN LATER CONFIGURATIONS/	1	
-142	8004280G1	C	HOUSING, POWER TUBE	1	
-143	MS21209C0620	D	INSERT	4	
-144	8004280-1	D	HOUSING, POWER TUBE	1	
-144	8004837-1	D	GROMMET, PLASTIC	1	B
-145	8102535-1	B	LUG, TERMINAL, LOCKING /USED IN EARLY CONFIGURATIONS/	1	
	8102535-2	B	LUG, TERMINAL, LOCKING /USED IN LATER CONFIGURATIONS/	1	
-146	MS35206-215	B	SCREW	2	



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
22-147	MS27183-4	B	WASHER	2	
-148	MS35338-40	B	WASHER	2	
-149	517690-1	B	WASHER, SHOULDERED	2	
-150	8006153G1	B	PLATE, CAPACITOR MOUNTING ATTACHING PARTS	1	
	MS35206-217	B	SCREW	2	A
	MS35206-217	B	SCREW	1	B
	MS35206-218	B	SCREW	1	B
	MS35206-215	B	SCREW	2	
	MS27183-4	B	WASHER	4	
	MS35338-40	B	WASHER	4	
			-----		
-151	507303-1	B	INSULATOR, DISK	1	
-152	500731-1	B	BRACKET, SUPPORT ATTACHING PARTS	2	
	MS35206-217	B	SCREW	4	
	MS27183-4	B	WASHER	2	
	MS15795-803	B	WASHER	2	
	MS35338-40	B	WASHER	4	
			-----		
-153	800615461	B	CABLE ASSEMBLY, HIGH VOLTAGE	1	A
-154	505526-1	C	FILTER, LOW PASS	1	
-155	507308-1	B	INSULATOR, BUSHING /USED IN EARLY CONFIGURATIONS/	1	
	517690-3	B	WASHER, SHOULDER, NONMETALLIC /USED IN LATER CONFIGURATIONS/	1	
-156	8004745-1	B	BRACKET, SUPPORT ATTACHING PARTS	1	
	MS24693-26	B	SCREW	2	
	MS35206-230	B	SCREW	1	
	MS27183-5	B	WASHER	3	
	MS35338-41	B	WASHER	3	
	MS35649-262	B	NUT	3	
			-----		
-157	MS25281-4	B	CLAMP ATTACHING PARTS	1	
	MS24693528	B	SCREW	1	
	MS27183-5	B	WASHER	1	
	MS35338-41	B	WASHER	1	
	MS35649-262	B	NUT	1	
			-----		
-158	MS16624-1050	B	RING, RETAINING	2	
-159	8004260G1	B	TUBE, CENTER	1	
-160	512737-1	B	SPACER, RING	1	
-161	8004261G1	B	RING, SPACER, FRONT ATTACHING PARTS	1	
	MS51963-11	B	SETSCREW	2	
			-----		
-162	8004257G1	B	RING, RETAINING, OUTER	1	
	8006121G2	B	ROD, THREADED	1	
-163	509005-1	C	PIN, SPRING, TUBULAR, SLOTTED /USED IN EARLY CONFIGURATIONS/	1	
	509005-2	C	PIN, SPRING, TUBULAR, SLOTTED /USED IN LATER CONFIGURATIONS/	1	
-164	8004279-1	C	BUSHING, FLANGED /DRILL AT ASSEMBLY/	1	
-165	8004259-1	C	SHAFT, COUPLING	1	
	8006121G1	B	ROD, THREADED	1	
-166	503035-1	C	PIN, SPRING, TUBULAR, SLOTTED /USED IN EARLY CONFIGURATIONS/	1	
	509005-2	C	PIN, SPRING, TUBULAR, SLOTTED /USED IN LATER CONFIGURATIONS/	1	
-167	8004664-1	C	BUSHING, SHOULDER /DRILL AT ASSEMBLY/	1	
-168	8004259-1	C	SHAFT, COUPLING /DRILL AT ASSEMBLY/	1	
-169	8004256G1	B	TUBE, INTERMEDIATE	1	
	8004256G1	B	TUBE, OUTER	1	
-170	8004662-1	C	PLATE, FLOAT ATTACHING PARTS	1	
	8004736-1	C	RIVET, SHOULDERED	3	
			-----		
-171	8006138-1	C	BUSHING	1	
-172	8004255G2	C	TUBE, INTERMEDIATE	1	
23 -	8004236G1	A	POWER SUPPLY, CONTROL GRID /THERMAL CONTROL/ SEE FIGURE 19 FOR NHA/	REF	
- 1	8004723G1	B	COVER, PROTECTION	1	
	MS17160-5	C	CLIP, SPRING TENSION ATTACHING PARTS	2	
	MS16535-64	C	RIVET	2	
			-----		
- 2	8004723-1	C	COVER	1	
- 3	8004535-1	B	SPACER, SLEEVE ATTACHING PARTS	2	
	MS35206-230	B	SCREW	2	
	MS27183-5	B	WASHER	2	
	MS35338-41	B	WASHER	2	
	MS24693526	B	SCREW	2	
			-----		
- 4	MS35206-249	B	SCREW	2	
- 5	517689-1	B	WASHER, FLAT /USED IN EARLY CONFIGURATIONS/	2	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	2	

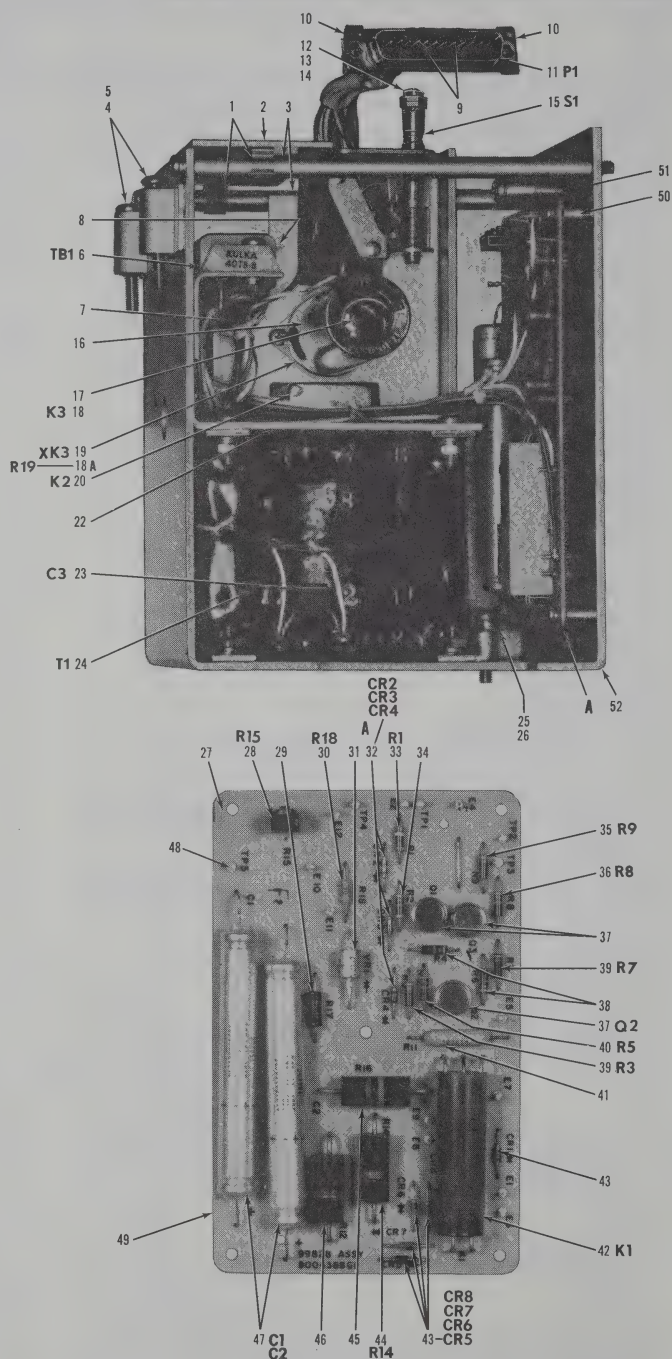


FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
23- 6	40T88	B	TERMINAL BOARD ATTACHING PARTS	1	
	MS35206-231	B	SCREW	1	
	MS35206-233	B	SCREW	1	
	MS27183-5	B	WASHER	2	
	MS35338-41	B	WASHER	2	
	MS35649-262	B	NUT	2	
			---*---		
- 7	MS25281R4	B	CLAMP	1	
- 8	8004716-1	B	STRAP, JUMPER, TERMINAL BOARD	3	
- 9	502056-401	B	CONTACT, ELECTRICAL	15	
- 10	502056-308	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 11	502056-110	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 12	MS35206-230	B	SCREW	1	
- 13	MS35338-41	B	WASHER	1	
- 14	MS35649-262	B	NUT	2	
- 15	512938-3	B	SWITCH, INTERLOCK, SPDT ATTACHING PARTS	1	
	MS35206-227	B	SCREW	2	
	MS27183-5	B	WASHER	2	
	MS35338-41	B	WASHER	2	
			---*---		
- 16	512141-1	B	SHIELD, RELAY	1	
- 17	505436-1	B	HEATSINK /CUT TO FIT AT ASSEMBLY/	1	
- 18	8102512-1	B	RELAY, THERMOSTATIC DELAY	1	
- 18A	RCR07G220JS	B	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 19	TS103P01	B	SOCKET	1	
			ATTACHING PARTS		
	MS35206-214	B	SCREW	2	
	MS27183-3	B	WASHER	2	
	MS35338-40	B	WASHER	2	
	MS35649-242	B	NUT	2	
			---*---		
- 20	509410-3	B	RELAY, ARMATURE	1	
			ATTACHING PARTS		
	MS35206-214	B	SCREW	2	
- 21	8004888G1	B	BRACKET ASSEMBLY, MOUNTING, COMPONENT ATTACHING PARTS	1	
	MS24693550	B	SCREW	2	
	MS35206-245	B	SCREW	4	
	MS27183-7	B	WASHER	6	
	MS35338-42	B	WASHER	6	
	NAS671-8	B	NUT	6	
			---*---		
- 22	508566-2	C	NUT, SELF-LOCKING, CLINCH /USED IN EARLY CONFIGURATIONS/	2	
	508566-9	C	NUT, SELF-LOCKING, CLINCH /USED IN LATER CONFIGURATIONS/	2	
- 23	CK068X104K	B	CAPACITOR	1	
- 24	515304-2	B	TRANSFORMER, POWER, STEP-DOWN ATTACHING PARTS	1	
	MS24693550	B	SCREW	4	
	MS27183-7	B	WASHER	4	
	MS35338-42	B	WASHER	4	
	NAS671-8	B	NUT	4	
			---*---		
- 25	8004846-1	B	SCREW, CAPTIVE	3	
- 26	MS27183-7	B	WASHER	3	
- 27	MS35338-42	B	WASHER	3	
	8004388G1	B	CONTROL THERMAL/GRID VOLTAGE ATTACHING PARTS	1	
	MS35206-215	B	SCREW	5	
	MS27183-3	B	WASHER	5	
	MS35338-40	B	WASHER	5	
			---*---		
- 28	509422-10	C	RESISTOR, VARIABLE, CERMET	1	
- 29	RN60D2493F	C	RESISTOR	1	
- 30	RN55D1001F	C	RESISTOR	1	
- 31	JAN1N30448	C	SEMICONDUCTOR DEVICE, DIODE	1	
- 32	JAN1N914	C	SEMICONDUCTOR DEVICE, DIODE	3	
- 33	RCR07G391JR	C	RESISTOR	1	
- 34	RCR07G473JR	C	RESISTOR	1	
- 35	RCR07G132JR	C	RESISTOR	1	
- 36	RCR07G103JR	C	RESISTOR	1	
- 37	JAN2N1613	C	TRANSISTOR	3	
- 38	RCR07G273JR	C	RESISTOR	2	
- 39	RCR07G222JR	C	RESISTOR	2	
- 40	RCR07G123JR	C	RESISTOR	1	
- 41	RN65D7873F	C	RESISTOR	1	
- 42	509415-1	C	RELAY, DRY REED	1	
- 43	JAN1N4245	C	SEMICONDUCTOR DEVICE, DIODE	5	
- 44	RC42GF152J	C	RESISTOR	1	
- 45	RC42GF223J	C	RESISTOR	1	
- 46	RC42GF222J	C	RESISTOR	1	
- 47	CL21BQ360SPE	C	CAPACITOR	2	
	8004612G1	C	PRINTED WIRING BOARD	1	
- 48	514266-302	D	TERMINAL, UNINSULATED	16	

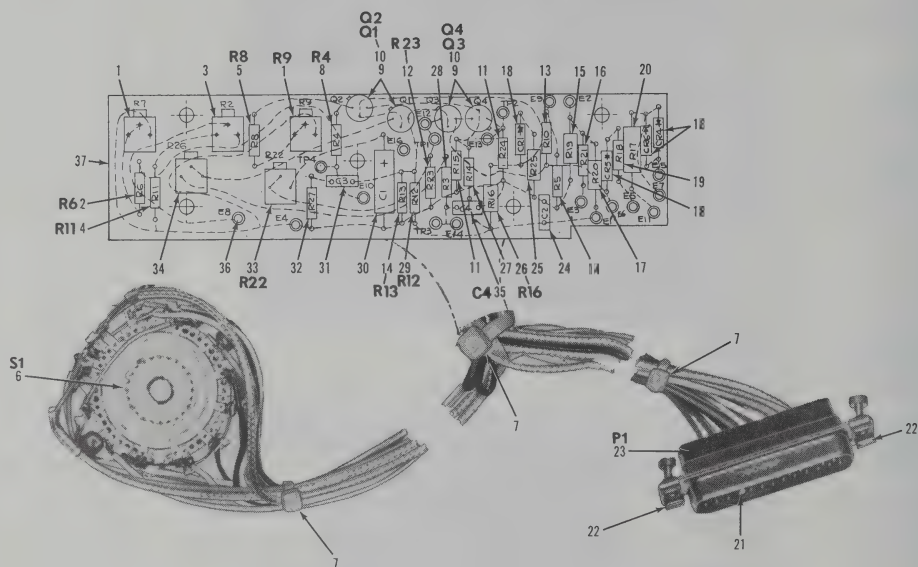


Figure 24. Buffer Amplifier/Multiplier, Electrical Instrument, 2A5



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
23- 49	8004612-1	D	PRINTED CIRCUIT BOARD	1	
- 50	8004538G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 51	410771-25	C	SPACER, THREADED	5	
- 52	8004694-1	C	RETAINER, SCREW	3	
	8004538G2	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
24	8004227G1	A	BUFFER AMPLIFIER/MULTIPLIER, ELECTRICAL INSTRUMENT /SEE FIGURE 19 FOR NHA/	REF	
- 1	509422-4	B	RESISTOR, VARIABLE, CERMET /R7 USED IN EARLY CONFIGURATIONS/	2	
- 2	RCR07G331JR	B	RESISTOR, VARIABLE, CERMET /R7 USED IN LATER CONFIGURATIONS/	1	
- 3	509422-8	B	RESISTOR, VARIABLE, CERMET	1	
- 4	RCR07G332JR	B	RESISTOR	1	
- 5	RCR07G271JR	B	RESISTOR	1	
- 6	512975-3	B	SWITCH, ROTARY	1	
- 7	MS3367-4-9	B	STRAP	3	
- 8	RCR07G512JR	B	RESISTOR	1	
- 9	JAN2N2222	B	TRANSISTOR	4	
- 10	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	4	
- 11	RCR07G103JR	B	RESISTOR	2	
- 12	RCR07G102JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G103JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 13	RCR07G684JR	B	RESISTOR	1	
- 14	RCR07G153JR	B	RESISTOR	2	
- 15	RN5507151F	B	RESISTOR	1	
- 16	RCR07G562JR	B	RESISTOR	1	
- 17	RN5509311F	B	RESISTOR	1	
- 18	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE /CR6 ADDED IN LATER CONFIGURATIONS/	4	
- 19	RCR07G563JR	B	RESISTOR	1	
- 20	RN60D4321F	B	RESISTOR	1	
- 21	502056-401	B	CONTACT, ELECTRICAL	19	
- 22	502056-308	B	RETAINER, ELECTRICAL CONNECTOR	2	
- 23	502056-110	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 24	CK068X103K	B	CAPACITOR	1	
- 25	RN55090R9F	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN5507500F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 26	RN60D3011F	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RN5502212F	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 27	RCR07G392JR	B	RESISTOR	1	
- 28	RCR07G512JR	B	RESISTOR /USED IN EARLIEST CONFIGURATIONS/	1	
	RCR07G332JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G272JR	B	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 29	RCR07G472JR	B	RESISTOR	1	
- 30	M39003-01-2289	B	CAPACITOR	1	
- 31	CK068X104K	B	CAPACITOR /ADDED IN LATER CONFIGURATIONS/	1	
- 32	RCR07G393JR	B	RESISTOR /ADDED IN LATER CONFIGURATIONS/	1	
- 33	RCR07G562JR	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	509422-10	B	RESISTOR, VARIABLE, CERMET /USED IN LATER CONFIGURATIONS/	1	
- 34	509422-7	B	RESISTOR, VARIABLE, CERMET /USED IN EARLY CONFIGURATIONS/	1	
	509422-9	B	RESISTOR, VARIABLE, CERMET /USED IN LATER CONFIGURATIONS/	1	
- 35	CK63AX471K	B	CAPACITOR /ADDED IN LATER CONFIGURATIONS, ALTERNATE PART 501240-43/	1	
- 36	8004427G1	B	PRINTED WIRING BOARD	1	
	514266-302	C	TERMINAL, UNINSULATED	20	
- 37	8004427-1	C	PRINTED WIRING BOARD	1	
25-	8004205G1	A	FRAME ASSEMBLY, AMPLIFIER /SEE FIGURE 19 FOR NHA/	REF	
- 1	8004517-1	B	HANDLE, PANEL, FRONT ATTACHING PARTS	1	
	8006103-5	B	SCREW, MACHINE	1	
	8006103-6	B	SCREW, MACHINE	1	
	MS27183-7	B	WASHER	2	
	MS35338-62	B	WASHER	2	
	MS35649-282	B	NUT	2	
	8004467G1	B	FILTER ASSEMBLY, AIR ATTACHING PARTS	1	
	MS35206-217	B	SCREW	2	
	MS27183-3	B	WASHER	2	
	MS35338-60	B	WASHER	2	
- 2	8004566-1	C	FILTER, AIR ATTACHING PARTS	1	
	8004860-1	C	RIVET, SHOULDERED, SEMI-TUBULAR -----*	2	

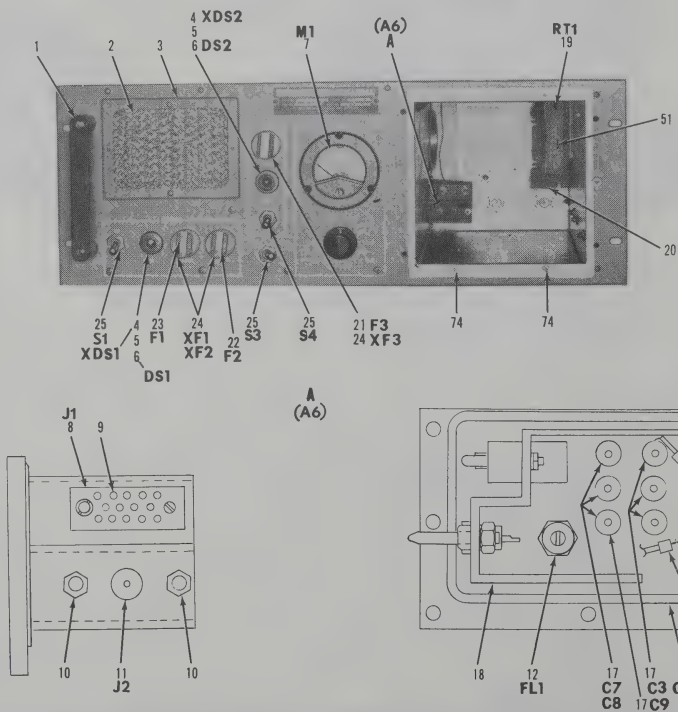
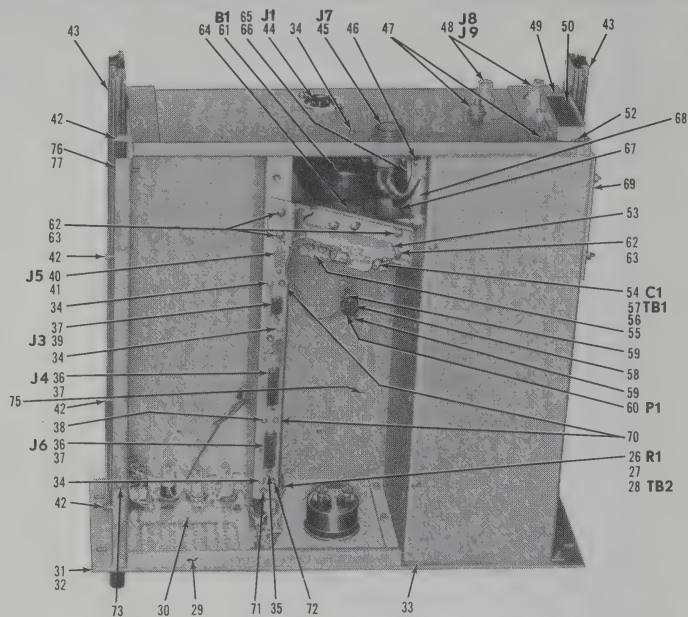


Figure 25. Frame Assembly, Amplifier, VHF (Model 3211), UHF (Model 3212), Unit 2

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
25 - 3	8004299-1	C	FRAME, AIR FILTER	1	
- 4	LH76-1	B	LAMPHOLDER	2	
- 5	508121-1	B	LENS, INDICATOR LIGHT, CLEAR	2	
- 6	NE51	B	LAMP	2	
- 7	508258-7	B	METER, ELECTRICAL, DC, PANEL TYPE	1	
	8004659G1	B	CONNECTOR/FILTER ASSEMBLY	1	
			ATTACHING PARTS		
	MS35206-217	B	SCREW	7	
	NAS620-4	B	WASHER	5	
			-----		
- 8	502106-2	C	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 9	502104-1	C	CONTACT, SOCKET, ELECTRICAL	8	
- 10	8004649-1	C	PIN, GUIDE	2	
			ATTACHING PARTS		
	MS35333-37	C	WASHER	2	
	MS35649-262	C	NUT	2	
			-----		
- 11	502093-1	C	CONNECTOR, PUSH-ON, HIGH VOLTAGE	1	
- 12	505526-1	C	FILTER, LOW PASS	1	
- 13	512134-1	C	SHIELD, RF INTERFERENCE, BEAD TYPE	2	
- 14	CK608X680M	C	CAPACITOR	2	
- 15	512226-18	C	GASKET, RF INTERFERENCE	AR	
	8004585G1	C	BACKET, MOUNTING	1	
- 16	514274-1	D	TERMINAL, STUD, FEEDTHRU	2	
- 17	501172-1	D	CAPACITOR, FIXED, CERAMIC DIELECTRIC, FEEDTHRU /C9 ADDED IN EARLY CONFIGURATIONS/	6	
	501218-1	D	CAPACITOR, FIXED, FEEDTHRU, CERAMIC DIELECTRIC /C9 USED IN LATER CONFIGURATIONS/	1	
- 18	8004585G2	D	BACKET, MOUNTING	1	
- 19	509416-1	B	RESISTOR, THERMAL /USED IN EARLY CONFIGURATIONS/	1	
	509416-2	B	RESISTOR, THERMAL /USED IN LATER CONFIGURATIONS/	1	
- 20	512138-1	B	SHIELDING, GASKET, ELECTRONIC	1	
- 21	8102470-7	B	FUSE, CARTRIDGE /210-240 VOLT OPERATION/	1	
- 22	8102470-8	B	FUSE, CARTRIDGE /105-120 VOLT OPERATION/	1	
- 23	8102470-9	B	FUSE, CARTRIDGE /USED IN EARLY CONFIGURATIONS/	1	
	F02A250V2A	B	FUSE /REPLACES 8102470-9 IN LATER CONFIGURATIONS/	1	
- 24	FHL17G2	B	FUSEHOLDER	3	
- 25	MS35058-22	B	SWITCH /S4 USED IN EARLY CONFIGURATIONS/	1	
	MS35059-22	B	SWITCH /S4 USED IN LATER CONFIGURATIONS/	3	
			ATTACHING PARTS		
	8105252-2	B	WASHER, FLAT	3	
			-----		
- 26	RCR07G562JR	B	RESISTOR	1	
	8004766G2	B	TERMINAL BOARD	1	
- 27	NAS70552	C	TERMINAL STUD	2	
- 28	8004766-2	C	TERMINAL BOARD	1	
- 29	8004429-1	B	BAR, SUPPORT	1	
			ATTACHING PARTS		
	MS35206-215	B	SCREW	3	
	MS35190-223	B	SCREW	1	
	MS27183-3	B	WASHER	4	
	MS35338-40	B	WASHER	3	
			-----		
	8004208G1	B	PANEL ASSEMBLY, FRONT	I	
			ATTACHING PARTS		
	MS51959-45	B	SCREW	2	
	MS35338-42	B	WASHER	2	
	MS35649-282	B	NUT	2	
	MS35206-230	B	SCREW	5	
	MS27183-5	B	WASHER	5	
	MS35190-238	B	SCREW	5	
			-----		
- 30	505127-41	C	STANDOFF, THREADED	2	
- 31	505127-5	C	STANDOFF, THREADED	5	
- 32	8004208-1	C	PANEL, FRONT	1	
- 33	512139-1	B	SHIELDING GASKET, ELECTRONIC	1	
- 34	514267-2	B	TERMINAL, LUG TYPE	2	
			ATTACHING PARTS		
	MS35206-226	B	SCREW	4	
	MS35649-262	B	NUT	4	
			-----		
- 35	502056-302	B	RETAINER, ELECTRICAL CONNECTOR /USED IN LATER CONFIGURATIONS/	6	
- 36	502056-213	B	CONNECTOR, PLUG, ELECTRICAL	2	
- 37	502056-402	B	CONTACT, ELECTRICAL	39	
- 38	514264-302	B	TERMINAL, STUD, INSULATED	1	
			ATTACHING PARTS		
	MS35206-202	B	SCREW	1	
			-----		
- 39	502056-201	B	CONNECTOR, PLUG, ELECTRICAL	1	
- 40	502106-4	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 41	502104-1	B	CONTACT, SOCKET, ELECTRICAL	13	
- 42	8004846-1	B	SCREW, CAPTIVE	6	
- 43	512308-1	B	SLIDE, DRAWER, EXTENSION	2	
			ATTACHING PARTS		
	MS35206-243	B	SCREW	8	
			-----		

FIGURE AND INDEX NUMBER	PART NUMBER	I D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
25 - 44	8006084G1	B	FILTER ASSEMBLY, ELECTRICAL /31550/ SPEC DWG 505542-1	1	
	MS35206-227	B	ATTACHING PARTS		
	MS27183-5	B	SCREW	3	
	MS35338-41	B	WASHER	2	
		B	WASHER	2	
- 45	MS3102R18-1P	B	CONNECTOR	1	
			ATTACHING PARTS		
	MS35206-217	B	SCREW	4	
	MS35338-40	B	WASHER	4	
	MS35649-242	B	NUT	4	
- 46	MS25281-2	B	CLAMP	1	
			ATTACHING PARTS		
	MS35206-230	B	SCREW	1	
	MS27183-5	B	WASHER	1	
	MS35338-41	B	WASHER	1	
- 47	8004640-1	B	PIN, LOCATING	2	
			ATTACHING PARTS		
	MS27183-12	B	WASHER	2	
	MS35338-45	B	WASHER	2	
	MS35691-13	B	NUT	2	
- 48	502080-1	B	CONNECTOR, COAXIAL, TYPE N PUSH-ON	2	
- 49	8004635-1	B	FRAME, AIR OUTLET	1	
			ATTACHING PARTS		
	MS35206-216	B	SCREW	4	
	MS27183-3	B	WASHER	4	
	MS35338-40	B	WASHER	4	
- 50	8004637-1	B	SCREEN, AIR OUTLET	1	
- 51	8004636-1	B	SHIELD, AIR OUTLET	1	
- 52	514264-302	B	TERMINAL, STUD, INSULATED	1	
			ATTACHING PARTS		
	MS35206-206	B	SCREW	1	
	MS27183-2	B	WASHER	1	
	MS35338-39	B	WASHER	1	
- 53	8004959G1	B	BLOWER ASSEMBLY	1	
	8004958-1	C	COVER, PROTECTIVE	1	
- 54	501188-31	C	CAPACITOR, FIXED	1	
	8004957G1	C	TERMINAL BOARD	1	
			ATTACHING PARTS		
	MS35206-230	C	SCREW	2	
	NAS620-6	C	WASHER	2	
	MS35338-41	C	WASHER	2	
	MS35649-262	C	NUT	2	
- 55	NAS705S2	D	TERMINAL	3	
- 56	MS17160-26	D	CLAMP	1	
			ATTACHING PARTS		
	MS16535-64	D	RIVET	2	
- 57	8004957-1	D	TERMINAL BOARD	1	
- 58	502056-401	C	CONTACT, ELECTRICAL	2	
- 59	502056-301	C	RETAINER, ELECTRICAL CONNECTOR	2	
- 60	502056-101	C	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 61	500627-1	C	BLOWER, CENTRIFUGAL	1	
			ATTACHING PARTS		
	MS35206-245	C	SCREW	2	
	MS27183-7	C	WASHER	2	
	MS35338-42	C	WASHER	2	
- 62	8004942G1	C	CHANNEL, MOUNTING, BLOWER	1	
	8104283-3	D	SCREW, CAPTIVE	4	
- 63	8004694-3	D	RETAINER, SCREW	4	
- 64	8004942-1	D	CHANNEL, MOUNTING, MOTOR	1	
	8004642G1	B	PLATE, MOUNTING, FAN	1	
			ATTACHING PARTS		
	MS35206-214	B	SCREW	3	
	MS27183-3	B	WASHER	3	
	MS35338-40	B	WASHER	3	
- 65	8004642-2	C	GASKET	1	
- 66	8004642-1	C	PLATE	1	
- 67	8004643-1	B	SHIELD, MOUNTING, BLOWER	1	
- 68	8004641-1	B	ADAPTER, FLANGED	1	
			ATTACHING PARTS		
	MS35206-228	B	SCREW	4	
	MS27183-5	B	WASHER	4	
	MS35338-41	B	WASHER	4	
- 69	8004638-1	B	PLATE, ACCESS	1	
			ATTACHING PARTS		
	MS27183-5	B	WASHER	6	
	MS35338-41	B	WASHER	6	



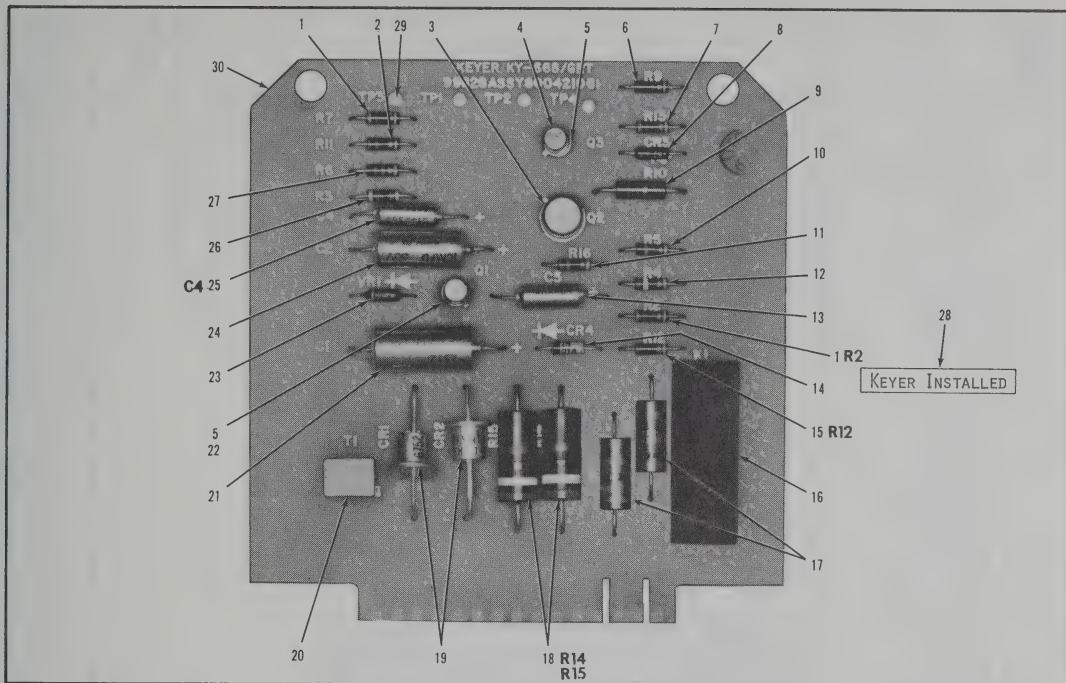


Figure 26. Keyer, 1A3

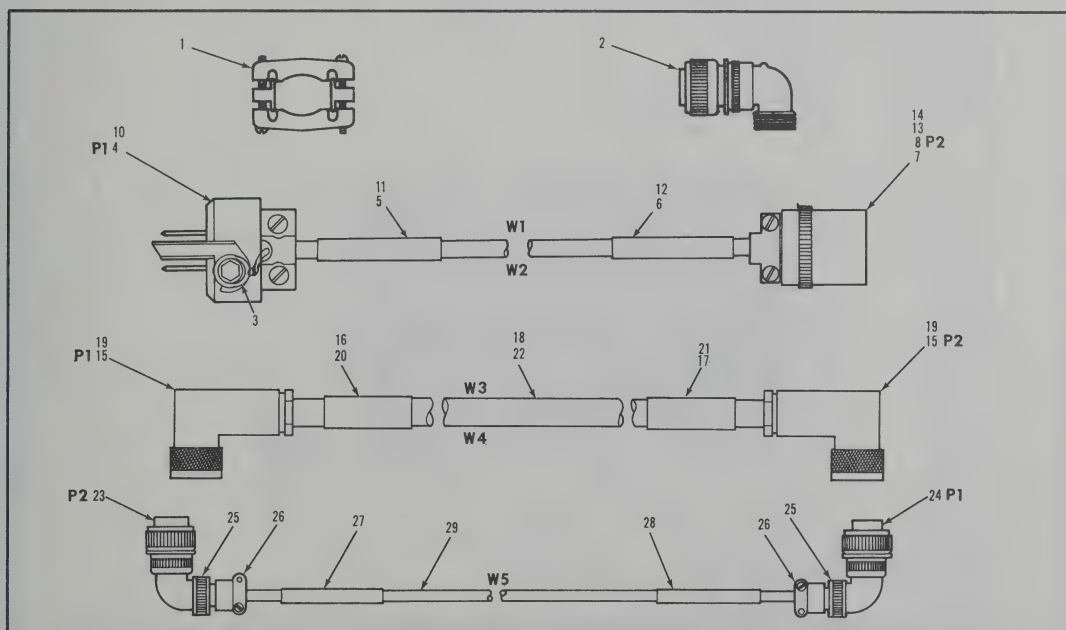


Figure 27. Interface Cable Kit

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
25 - 70	MS35649-262	B	NUT	6	
	MS25281-6	B	CLAMP	2	
	MS35190-238	B	SCREW	2	
	MS27183-5	B	WASHER	2	
	MS35338-41	B	WASHER	2	
	MS35649-262	B	NUT	2	
	8004342G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
	508566-8	C	NUT, SELF-LOCKING, CLINCH	4	
	508566-7	C	NUT, SELF-LOCKING, CLINCH	26	
	8004519-3	C	NUT, SPECIAL	4	
	508566-6	C	NUT, SELF-LOCKING, CLINCH	10	
	508565-2	C	NUT, PLAIN, CLINCH	2	
	8004694-1	C	SCREW, RETAINER	6	
	8004342G2	C	CHASSIS, ELECTRICAL EQUIPMENT	1	
	8004210G1	A	KEYER /OPTIONAL MODULE SEE FIGURE 1/	REF	
	RCR07G681JR	B	RESISTOR	2	
	RCR07G332JR	B	RESISTOR	1	
	JAN2N1132	B	TRANSISTOR	1	
	JAN2N2222A	B	TRANSISTOR	1	
	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	2	
	RCR07G123JR	B	RESISTOR	1	
	RCR07G682JR	B	RESISTOR	1	
	JAN1N658	B	SEMICONDUCTOR DEVICE, DIODE	1	
	RCR20G181JR	B	RESISTOR	1	
	RCR07G561JR	B	RESISTOR	1	
	RCR07G362JR	B	RESISTOR	1	
	RCR07G392JR	B	RESISTOR	1	
	M39003-01-2304	B	CAPACITOR	1	
	JAN1N914	B	SEMICONDUCTOR DEVICE, DIODE	1	
	RCR07G822JR	B	RESISTOR	1	
	509414-1	B	RELAY, DRY REED	1	
	RCR32G223JR	B	RESISTOR	2	
	RC42GF390J	B	RESISTOR	2	
	JAN1N4245	B	SEMICONDUCTOR DEVICE, DIODE	2	
	515301-2	B	TRANSFORMER, AF	1	
	M39003-01-2312	B	CAPACITOR	1	
	JAN2N2907A	B	TRANSISTOR	1	
	511834-1	B	SEMICONDUCTOR DEVICE, DIODE, REGULATOR	1	
	M39003-01-2374	B	CAPACITOR	1	
	M39003-01-2359	B	CAPACITOR	1	
	RCR07G472JR	B	RESISTOR	1	
	RCR07G183JR	B	RESISTOR	1	
	509139-1	B	PLATE, IDENTIFICATION	1	
	8004417G1	B	PRINTED WIRING BOARD	1	
	514266-302	C	TERMINAL, UNINSULATED	20	
	8004417-1	C	PRINTED WIRING BOARD	1	
27 -	8006149G1	A	INTERFACE CABLE KIT /USED WITH MODEL 3201 AND 3202 TRANS- MITTERS AND MODEL 3212 LINEAR POWER AMPLIFIER	REF	
	MS3057-16A	B	CLAMP	1	
	MS3108R24-285	B	CONNECTOR	1	
	8006147G2	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
	514273-2	C	TERMINAL, LUG, CRIMP TYPE	3	
	UP131M	C	CONNECTOR	1	
	516665-22	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	516665-23	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	507309-1	C	INSULATOR, CONNECTOR	1	
	502079-1	C	CONNECTOR, RECEPTACLE, ELECTRICAL, THREE WIRE, TWIST-LOCK	1	
	8006147G3	B	CABLE ASSEMBLY, SPECIAL PURPOSE ELECTRICAL	1	
	514273-2	C	TERMINAL, LUG, CRIMP TYPE	3	
	UP131M	C	CONNECTOR	1	
	516665-24	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	516665-25	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	507309-1	C	INSULATOR, CONNECTOR	1	
	502079-1	C	CONNECTOR, RECEPTACLE, ELECTRICAL, THREE WIRE, TWIST-LOCK	1	
	8006145G1	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
	M39012-05-0001	C	CONNECTOR	2	
	516665-16	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	516665-17	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	RG213U	C	CABLE, RF	AR	
	8006145G2	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
	M39012-05-0001	C	CONNECTOR	2	
	516665-18	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	516665-19	C	MARKER, TUBING, HEAT SHRINKABLE	1	
	RG214U	C	CABLE, RF	AR	
	8006150G1	B	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1	
	MS3108R18-15	C	CONNECTOR	1	
	MS3108R18-1P	C	CONNECTOR	1	
	500126-1	C	ADAPTER, CONNECTOR, RFI	2	

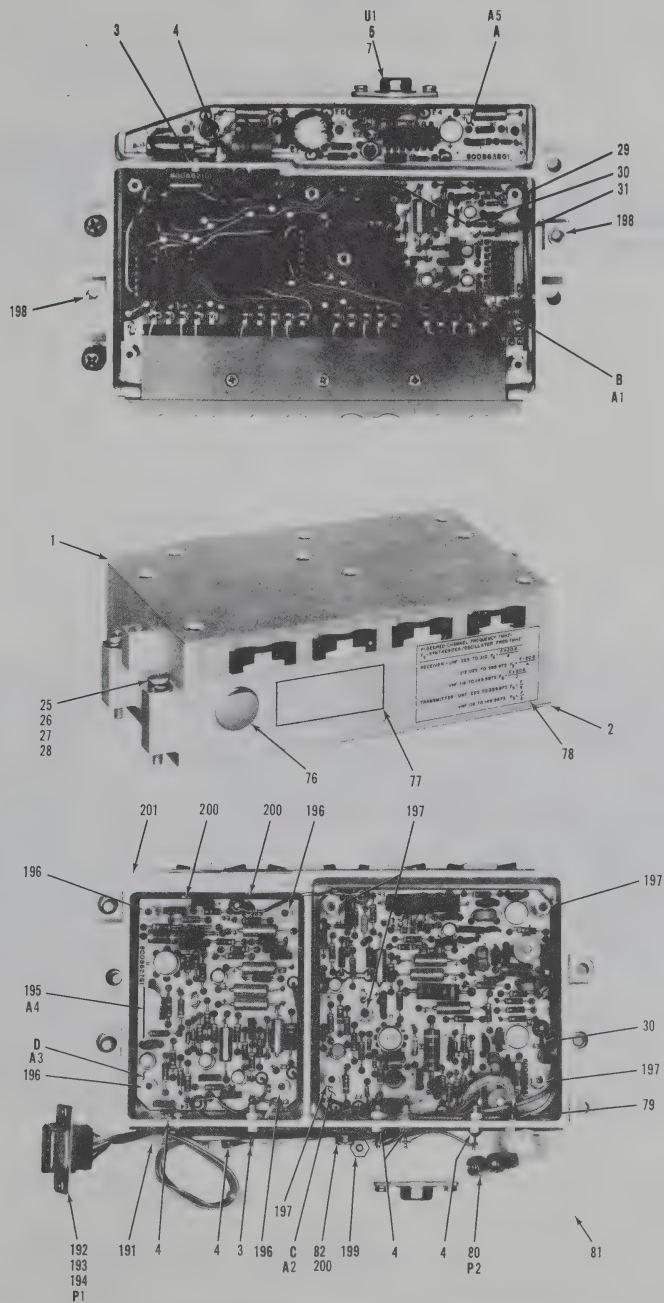


Figure 28. DIGI CHANNEL, Model 3503, Oscillator/Synthesizer, 1A8 (Sheet 1 of 4)

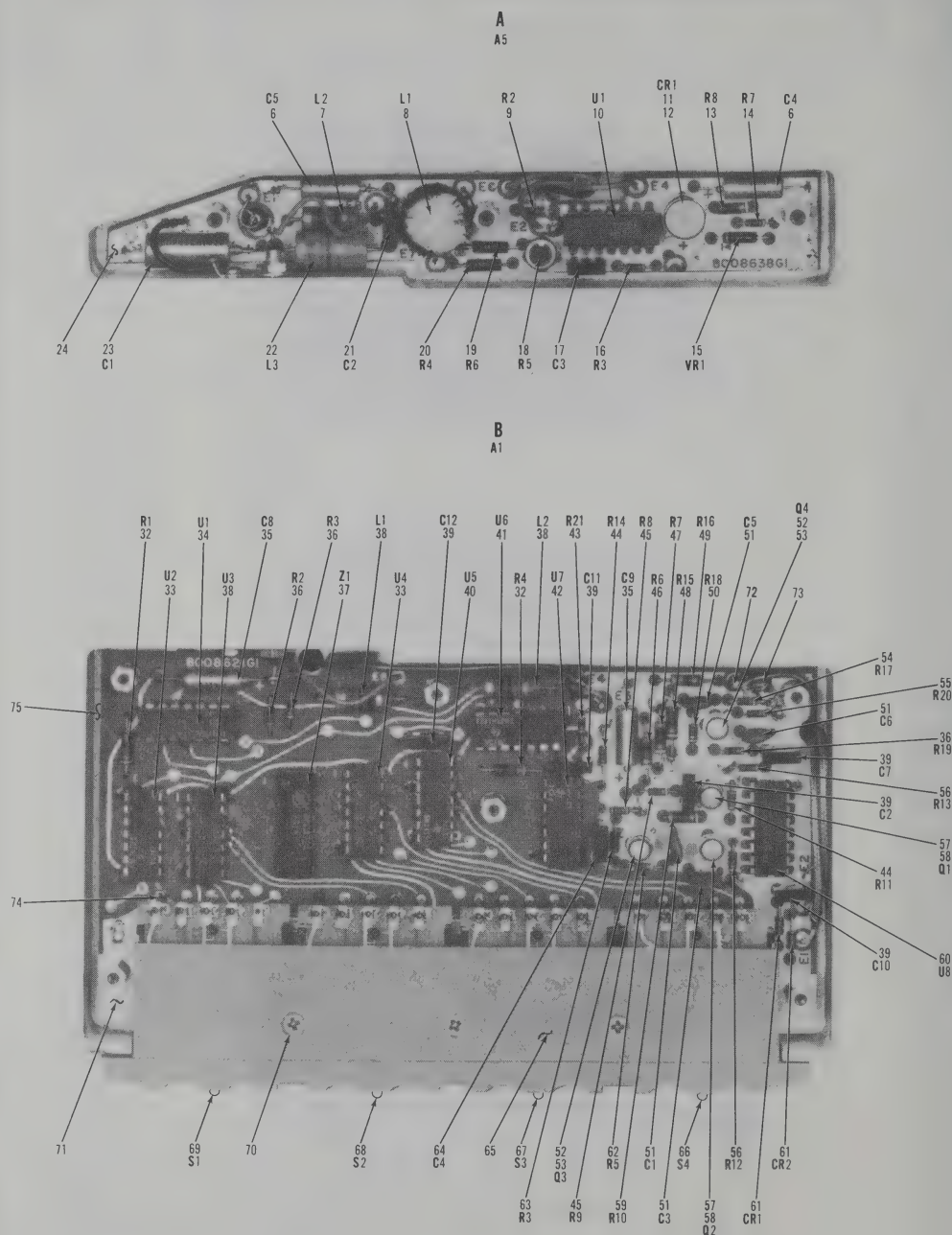


Figure 28. DIGI CHANNEL, Model 3503, Oscillator/Synthesizer, 1A8 (Sheet 2 of 4)



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
27 - 26	MS3057-6A	C	CLAMP	2	
- 27	516665-15	C	MARKER, TUBING, HEAT SHRINKABLE	1	
- 28	516665-14	C	MARKER, TUBING, HEAT SHRINKABLE	1	
- 29	501216-1	C	CABLE, SPECIAL PURPOSE, ELECTRICAL	AR	
28 -	8009306G1	A	DIGI CHANNEL, MODEL 3503 OSCILLATOR/SYNTHESIZER /SEE FIGURE 2 FOR NHA/ OPTIONAL MODULE FOR ALL CRYSTAL CONTROLLED OSCILLA- TORS, PART NUMBERS 8004290G1 AND 8004290G2 AS APPLICABLE	REF	
- 1	8008630-1	B	COVER, TOP	1	
	511337-3	B	ATTACHING PARTS SCREW, SELF-LOCKING	9	
- 2	8008631-1	B	COVER, BOTTOM	1	
	511337-3	B	ATTACHING PARTS SCREW, SELF-LOCKING	9	
- 3	514289-1	B	TERMINAL, FEED-THRU, GROUNDING	1	
	MS35649-224	B	ATTACHING PARTS NUT	1	
	MS535333-69	B	WASHER	1	
- 4	501175-2	B	---*--- FILTER, EMI, LOWPASS, FEED-THRU	6	
	8102535-3	B	ATTACHING PARTS TERMINAL LUG, LOCKING	1	
- 5	507384-1	B	---*--- INTEGRATED CIRCUIT, SWITCHING REGULATOR	1	
	MS51957-14	B	ATTACHING PARTS SCREW	2	
	MS35338-135	B	WASHER	2	
	8008638G1	B	---*--- CIRCUIT CARD ASSEMBLY, SWITCHING REGULATOR	1	
	8008632-3	B	ATTACHING PARTS SCREW, SPECIAL	3	
- 6	501236-1	C	---*--- CAPACITOR, FIXED, ELECTROLYTIC	2	
- 7	MS75008-40	C	COIL, RF	1	
- 8	8008593G1	C	COIL, RF	1	
- 9	RCR05G105JS	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR05G135JS	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 10	507386-1	C	INTEGRATED CIRCUIT, VOLTAGE REGULATOR	1	
- 11	JAN2N2323	C	RECTIFIER, SILICON CONTROLLED /USED IN EARLY CONFIGURATIONS/	1	
- 12	507253-1	C	INSULATOR, STANDOFF, TRANSISTOR /USED IN EARLY CONFIGURA- TIONS/	1	
- 13	RCR05G102JS	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 14	RCR05G200JS	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 15	JAN1N755A	C	SEMICONDUCTOR DEVICE, DIODE /USED IN EARLY CONFIGURATIONS/	1	
- 16	RCR05G100JS	C	RESISTOR	1	
- 17	CK068X104K	C	CAPACITOR	1	
- 18	RJ50CP202	C	RESISTOR, VARIABLE	1	
- 19	RN55D3011F	C	RESISTOR	1	
- 20	RN55D8251F	C	RESISTOR	1	
- 21	CK068X105K	C	CAPACITOR	1	
- 22	MS75053-4	C	INDUCTOR	1	
- 23	M39003-01-2370	C	CAPACITOR	1	
- 24	8008639-1	C	PRINTED WIRING BOARD	1	
- 25	MS51957-127	B	SCREW	4	
- 26	MS35338-42	B	WASHER	4	
- 27	MS5620C8	B	WASHER	4	
- 28	517689-1	B	WASHER, NON-METALLIC /USED IN EARLY CONFIGURATIONS/	4	
	508874-13	B	PACKING, PREFORMED /USED IN LATER CONFIGURATIONS/	4	
- 29	413710-12	B	CABLE, COAXITUBE	AR	
- 30	514260-4	B	TERMINAL, LUG	2	
	MS51957-2	B	ATTACHING PARTS SCREW	2	
	MS35338-134	B	WASHER	2	
- 31	RG178BU	B	---*--- CABLE, RF	AR	
	8008621G1	B	CIRCUIT CARD ASSEMBLY, DIVIDER/CONTROL	1	
	8008632-3	B	ATTACHING PARTS SCREW, SPECIAL	4	
	8008632-4	B	SCREW, SPECIAL	2	
	8009325-1	B	CLIP, GROUNDING	2	
- 32	RCR07G201JS	C	---*--- RESISTOR	2	
- 33	507380-1	C	INTEGRATED CIRCUIT, HIGH SPEED COUNTER	3	
- 34	507379-1	C	INTEGRATED CIRCUIT, POSITIVE AND GATE	1	
- 35	M39003-01-2259	C	CAPACITOR	2	
- 36	RCR05G201JS	C	RESISTOR	3	
- 37	509435-1	C	RESISTOR NETWORK, FIXED	1	
- 38	MS75008-40	C	COIL, RF	2	

A2

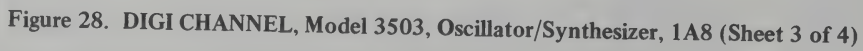


FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
28 - 39	CK068X103K	C	CAPACITOR	4	
- 39A	CK068X103K	C	CAPACITOR /C11 USED IN EARLY CONFIGURATIONS/	1	
	C5068X105K	C	CAPACITOR /C11 USED IN LATER CONFIGURATIONS/	1	
- 40	507381-1	C	INTEGRATED CIRCUIT, HIGH SPEED COUNTER	1	
- 41	507382-1	C	INTEGRATED CIRCUIT, EDGE TRIGGERED J-K FLIP-FLOP	1	
- 42	507378-1	C	INTEGRATED CIRCUIT, LOGIC NAND GATE	1	
- 43	RCR05G470JS	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR05G100JS	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
- 44	RCR05G471JS	C	RESISTOR	2	
- 45	RCR05G151JS	C	RESISTOR	2	
- 46	RCR07G102JS	C	RESISTOR	1	
- 47	RCR07G302JS	C	RESISTOR	1	
- 48	RCR07G220JS	C	RESISTOR	1	
- 49	RCR07G330JS	C	RESISTOR	1	
- 50	RCR05G182JS	C	RESISTOR	1	
- 51	CK60AW102M	C	CAPACITOR /ALTERNATE PART 501240-58/	4	
- 52	JAN2N2857	C	TRANSISTOR	2	
- 53	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	2	
- 54	RCR05G222JS	C	RESISTOR	1	
- 55	RCR05G221JS	C	RESISTOR	1	
- 56	RCR05G102JS	C	RESISTOR	2	
- 57	515385-1	C	TRANSISTOR, PNP, SILICON, SWITCHING	2	
- 58	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	2	
- 59	RCR05G301JS	C	RESISTOR	1	
- 60	507377-2	C	INTEGRATED CIRCUIT, DUAL MASTER-SLAVED FLIP-FLOP	1	
- 61	JAN1N4148	C	SEMICONDUCTOR DEVICE, DIODE	2	
- 62	RCR05G271JS	C	RESISTOR	1	
- 63	511785-1	C	SEMICONDUCTOR DEVICE, DIODE, HOTCARRIER /USED IN EARLY CONFIGURATIONS/	1	
	511785-4	C	SEMICONDUCTOR DEVICE, DIODE, HOT CARRIER /USED IN LATER CONFIGURATIONS/	1	
- 64	CK068X333K	C	CAPACITOR	1	
- 65	8009301-1	C	COVER, SWITCH	1	
	MS51959-8	C	ATTACHING PARTS SCREW	3	
- 66	512999-4	C	SWITCH, ROTARY, THUMBWHEEL, 16 POSITION	1	
- 67	512999-3	C	SWITCH, ROTARY, THUMBWHEEL, 10 POSITION	1	
- 68	512999-2	C	SWITCH, ROTARY, THUMBWHEEL, 10 POSITION, WITH DECIMAL POINT	1	
- 69	512999-1	C	SWITCH, ROTARY, THUMBWHEEL, 5 POSITION	1	
	8008635G1	C	PLATE, MOUNTING	1	
- 70	508581-8	D	NUT, CLINCH	3	
- 71	8008635-1	D	PLATE	1	
	8008622G1	C	PRINTED WIRING BOARD	1	
- 72	514272-2	D	TERMINAL, STUD	2	
- 73	8007528-1	D	TERMINAL, STUD	2	
- 74	514290-1	D	TERMINAL, STUD	19	
- 75	8008622-1	D	PRINTED WIRING BOARD	1	
- 76	501058-7	B	BUTTON, PLUG	1	
- 77	8009323-1	B	PLATE, IDENTIFICATION	1	
- 78	8007544-1	B	PLATE, INSTRUCTION	1	
- 79	8004961-1	B	RETAINER, SHIELD	1	
	MS25082-12	B	ATTACHING PARTS NUT	1	
	MS35333-73	B	WASHER	1	
- 80	UG1465U	B	CONNECTOR	1	
- 81	RG316U	B	CABLE, RF	AR	
- 82	501912-1	B	CLAMP	1	
	MS51957-14	B	ATTACHING PARTS SCREW	1	
	MS15795-803	B	WASHER	1	
	MS35338-135	B	WASHER	1	
	8008624G1	B	ATTACHING PARTS CIRCUIT CARD ASSEMBLY, RF GENERATOR	1	
	8008632-2	B	SCREW, SPECIAL	5	
- 83	MS18130-5	C	COIL, RF	1	
- 84	501174-102	C	CAPACITOR, VARIABLE, CERAMIC DIELECTRIC	2	
- 85	8008637G1	C	COIL, RF	3	
- 86	CK60AW102M	C	CAPACITOR /ALTERNATE PART 501240-58/	9	

A3



**Figure 28. DIGI CHANNEL' Model 3503, Oscillator/Synthesizer, 1A8 (Sheet 4 of 4)**



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
28- 87	MS18130-4	C	COIL, RF	1	
- 88	RCR07G121JS	C	RESISTOR	1	
- 89	RCR07G300JS	C	RESISTOR	1	
- 90	RCR07G181JS	C	RESISTOR	2	
- 91	JAN1N4148	C	SEMICONDUCTOR DEVICE, DIODE	1	
- 92	RCR07G683JS	C	RESISTOR	1	
- 93	RCR07G163JS	C	RESISTOR	1	
- 94	RCR32G331JS	C	RESISTOR	2	
- 95	CK068X103K	C	CAPACITOR	4	
- 96	511864-8	C	SEMICONDUCTOR DEVICE, DIODE, VOLTAGE REGULATOR	1	
- 97	507387-1	C	INTEGRATED CIRCUIT, TRANSISTOR ARRAY	1	
- 98	507296-3	C	INSULATOR, STANDOFF	1	
- 99	CK068X104K	C	CAPACITOR	1	
-100	RJ50CP202	C	RESISTOR, VARIABLE	1	
-101	RCR05G152JS	C	RESISTOR	1	
-102	RCR07G910JS	C	RESISTOR	1	
-103	RCR05G472JS	C	RESISTOR	1	
-104	RCR05G102JS	C	RESISTOR	1	
-105	RCR05G562JS	C	RESISTOR	1	
-106	RCR07G752JS	C	RESISTOR	2	
-107	RCR07G242JS	C	RESISTOR	2	
-108	JAN2N2222A	C	TRANSISTOR	2	
-109	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	2	
-110	511785-1	C	SEMICONDUCTOR DEVICE, DIODE, HOT CARRIER /USED IN EARLY CONFIGURATIONS/	4	
	511785-4	C	SEMICONDUCTOR DEVICE, DIODE, HOT CARRIER /USED IN LATER CONFIGURATIONS/	4	
-111	RN5506810F	C	RESISTOR	2	
-112	RCR07G201JS	C	RESISTOR	2	
-113	RCR05G243JS	C	RESISTOR	1	
-114	M39003-01-2289	C	CAPACITOR	4	
-115	RN5501821F	C	RESISTOR	1	
-116	RN5501211F	C	RESISTOR	1	
-117	RN5501001F	C	RESISTOR	1	
-118	RN5509310F	C	RESISTOR	1	
-119	RN5508250F	C	RESISTOR	1	
-120	CK068X682K	C	CAPACITOR	1	
-121	RCR07G822JS	C	RESISTOR	1	
-122	RN5502211F	C	RESISTOR	1	
-123	RCR07G431JS	C	RESISTOR	1	
-124	RCR07G561JS	C	RESISTOR	1	
-125	B008636G1	C	COIL, RF	1	
-126	511863-1	C	SEMICONDUCTOR DEVICE, DIODE	2	
-127	RCR07G104JS	C	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
	RCR07G103JS	C	RESISTOR /USED IN LATER CONFIGURATIONS/	1	
-128	RCR07G153JS	C	RESISTOR	1	
-129	RCR07G392JS	C	RESISTOR	1	
-130	RCR07G301JS	C	RESISTOR	1	
-131	511827-1	C	TRANSISTOR, FET N CHANNEL	1	
-132	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	1	
-133	CK608X470K	C	CAPACITOR /ALTERNATE PART 501240-25/	3	
-134	R009305G1	C	COIL, RF	1	
-135	CK608X688K	C	CAPACITOR /ALTERNATE PART 501240-10/	1	
-136	515387-1	C	TRANSISTOR	2	
-137	507253-1	C	INSULATOR, STANDOFF, TRANSISTOR	2	
-138	RCR07G203JS	C	RESISTOR	2	
-139	CK608X150K	C	CAPACITOR /ALTERNATE PART 501240-16/	2	
-140	MS18130-1	C	COIL, RF	2	
-141	CK608X220K	C	CAPACITOR /ALTERNATE PART 501240-19/	2	
-142	507385-1	C	INDUCTOR, MINIATURE	1	
-143	RCR07G101JS	C	RESISTOR	1	
-144	RCR07G121JS	C	RESISTOR	2	
-145	RCR07G470JS	C	RESISTOR	1	
-146	RCR07G390JS	C	RESISTOR	1	
	B008625G1	C	PRINTED WIRING BOARD	1	
-147	514272-2	D	TERMINAL, STUD	2	
-148	B007528-1	D	TERMINAL, STUD	2	
-149	B008625-1	D	PRINTED WIRING BOARD	1	
	B008627G1	B	CIRCUIT CARD ASSEMBLY, PHASE COMPARATOR	1	
			ATTACHING PARTS		
	B008632-1	B	SCREW, SPECIAL	4	
			---*---		
-150	RCR07G511JS	C	RESISTOR	2	
-151	RCR07G270JS	C	RESISTOR	1	
-152	RCR07G472JS	C	RESISTOR	4	
-153	RCR07G101JS	C	RESISTOR	4	
-154	JAN2N2222A	C	TRANSISTOR	3	
-155	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	3	
-156	CK068X473K	C	CAPACITOR	3	
-157	M39003-01-2362	C	CAPACITOR	1	
-158	RCR07G183JS	C	RESISTOR	3	
-159	RCR07G562JS	C	RESISTOR	1	
-160	RCR07G222JS	C	RESISTOR	1	
-161	JAN2N2907A	C	TRANSISTOR	1	
-162	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	1	
-163	CK608X101K	C	CAPACITOR /ALTERNATE PART 501240-31/	1	

FIGURE AND INDEX NUMBER	PART NUMBER	I D E N T	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
28-164	RCR07G106JS	C	RESISTOR	1	
-165	JAN1N4148	C	SEMICONDUCTOR DEVICE, DIODE	4	
-166	511799-1	C	TRANSISTOR, FET, N CHANNEL	1	
-167	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	1	
-168	RCR07G103JS	C	RESISTOR	2	
-169	CK068X103K	C	CAPACITOR	1	
-170	RCR07G102JS	C	RESISTOR	1	
-171	RCR07G242JS	C	RESISTOR	1	
-172	CK608X470K	C	CAPACITOR /ALTERNATE PART 501240-25/	1	
-173	RCR07G303JS	C	RESISTOR	2	
-174	RCR07G302JS	C	RESISTOR	1	
-175	507383-1	C	INTEGRATED CIRCUIT, OPERATIONAL AMPLIFIER	1	
-176	MS18130-22	C	COIL, RF	1	
-177	CK068X154K	C	CAPACITOR	1	
-178	CK068X104K	C	CAPACITOR	2	
-179	RCR07G681JS	C	RESISTOR	1	
-180	RCR07G272JS	C	RESISTOR	1	
-181	M39003-01-2289	C	CAPACITOR	4	
-182	511864-17	C	SEMICONDUCTOR DEVICE, DIODE, VOLTAGE REGULATOR	1	
-183	CK068X224K	C	CAPACITOR	1	
-184	511864-6	C	SEMICONDUCTOR DEVICE, DIODE, VOLTAGE REGULATOR	1	
-185	CK068X222K	C	CAPACITOR	1	
-186	M39003-01-2304	C	CAPACITOR	1	
-187	PCR20G751JS	C	RESISTOR	1	
	8008628G1	C	PRINTED WIRING BOARD	1	
-188	514272-2	D	TERMINAL, STUD	2	
-189	8007528-1	D	TERMINAL, STUD	2	
-190	8008628-1	D	PRINTED WIRING BOARD	1	
-191	MS3367-4-9	B	CLAMP	2	
-192	502056-301	B	RETAINER, ELECTRICAL CONNECTOR	2	
-193	502056-401	B	CONTACT, ELECTRICAL	5	
-194	502056-101	B	CONNECTOR, PLUG, ELECTRICAL	1	
-195	508933-5	B	REFERENCE GENERATOR	1	
			ATTACHING PARTS		
	511338-2	B	SCREW, SELF-LOCKING	4	
			-----8-----		
	8008620G1	B	HOUSING	1	
-196	8008633-1	C	NUT, SPECIAL	4	
-197	8008632-2	C	NUT, SPECIAL	5	
-198	MS51836-307	C	INSERT	2	
-199	508565-6	C	NUT, CLINCH	3	
-200	508581-9	C	NUT, CLINCH	3	
-201	8008620-1	C	HOUSING	1	

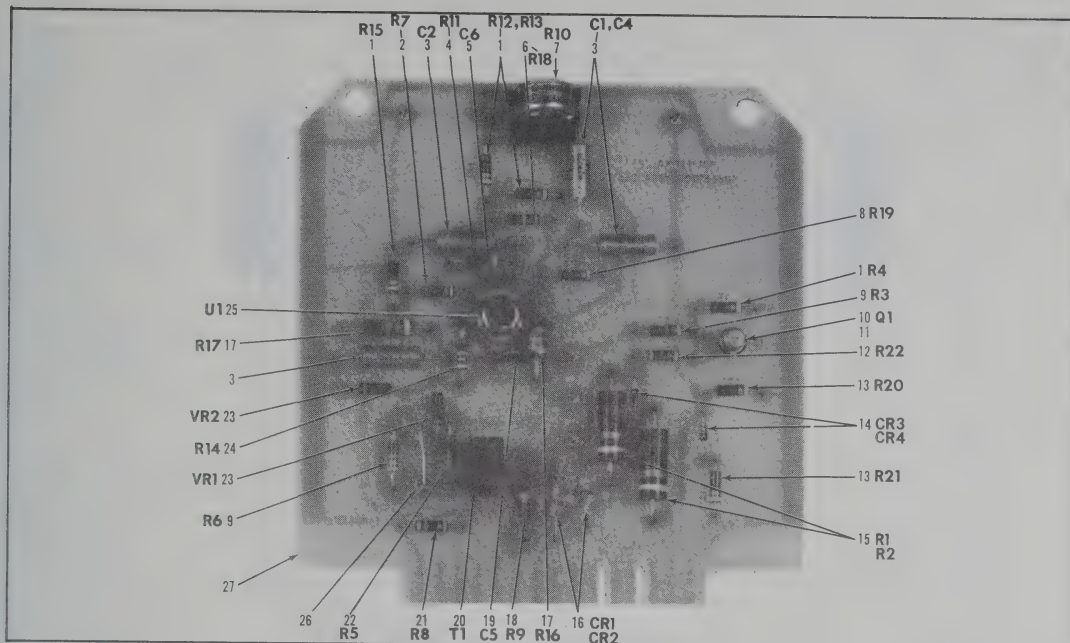


Figure 29. Line Amplifier, 1A1

FIGURE AND INDEX NUMBER	PART NUMBER	IND ENT	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
29 -	8007655G1	A	CIRCUIT CARD ASSEMBLY, LINE AMPLIFIER /OPTIONAL AND INTER- CHANGEABLE WITH 8004213G1-ADDED IN LATER CONFIGURATIONS, SEE FIGURE 2 FOR NHA/	REF	
- 1	RCR07G102JS	B	RESISTOR	4	
- 2	RCR07G680JS	B	RESISTOR	1	
- 3	M39003-01-2304	B	CAPACITOR	4	
- 4	RCR07G152JS	B	RESISTOR	1	
- 5	CK60BX101K	B	CAPACITOR /ALTERNATE PART 501240-31/	1	
- 6	RCR07G684JS	B	RESISTOR	1	
- 7	509448-20	B	RESISTOR, VARIABLE	1	
- 8	RCR07G511JS	B	RESISTOR	1	
- 9	RCR07G183JS	B	RESISTOR	2	
- 10	JAN2222A	B	TRANSISTOR	1	
- 11	507253-12	B	INSULATOR, STANDOFF, TRANSISTOR	1	
- 12	RCR07G472JS	B	RESISTOR	1	
- 13	RCR07G202JS	B	RESISTOR	2	
- 14	JAN1N4148	B	SEMICONDUCTOR DEVICE, DIODE	2	
- 15	RCR32G272JS	B	RESISTOR	2	
- 16	JAN1N4249	B	SEMICONDUCTOR DEVICE, DIODE	2	
- 17	RCR20G103JS	B	RESISTOR	2	
- 18	RCR07G222JS	B	RESISTOR	1	
- 19	CK60BX3R3K	B	CAPACITOR /ALTERNATE PART 501240-4/	1	
- 20	515301-2	B	TRANSFORMER, AF	1	
- 21	RCR07G332JS	B	RESISTOR	1	
- 22	RCR07G681JS	B	RESISTOR	1	
- 23	JAN1N751A	B	SEMICONDUCTOR DEVICE, DIODE	2	
- 24	RCR07G104JS	B	RESISTOR /USED IN EARLY CONFIGURATIONS/	1	
- 25	509465-1	B	NETWORK, CAPACITOR/RESISTOR /USED IN LATER CONFIGURATIONS	1	
- 25	507327-1	B	INTEGRATED CIRCUIT, OPERATIONAL AMPLIFIER	1	
- 25	8007656G1	B	PRINTED WIRING BOARD	1	
- 26	514266-302	C	TERMINAL, STUD, UNINSULATED	8	
- 27	8007656-1	C	PRINTED WIRING BOARD	1	

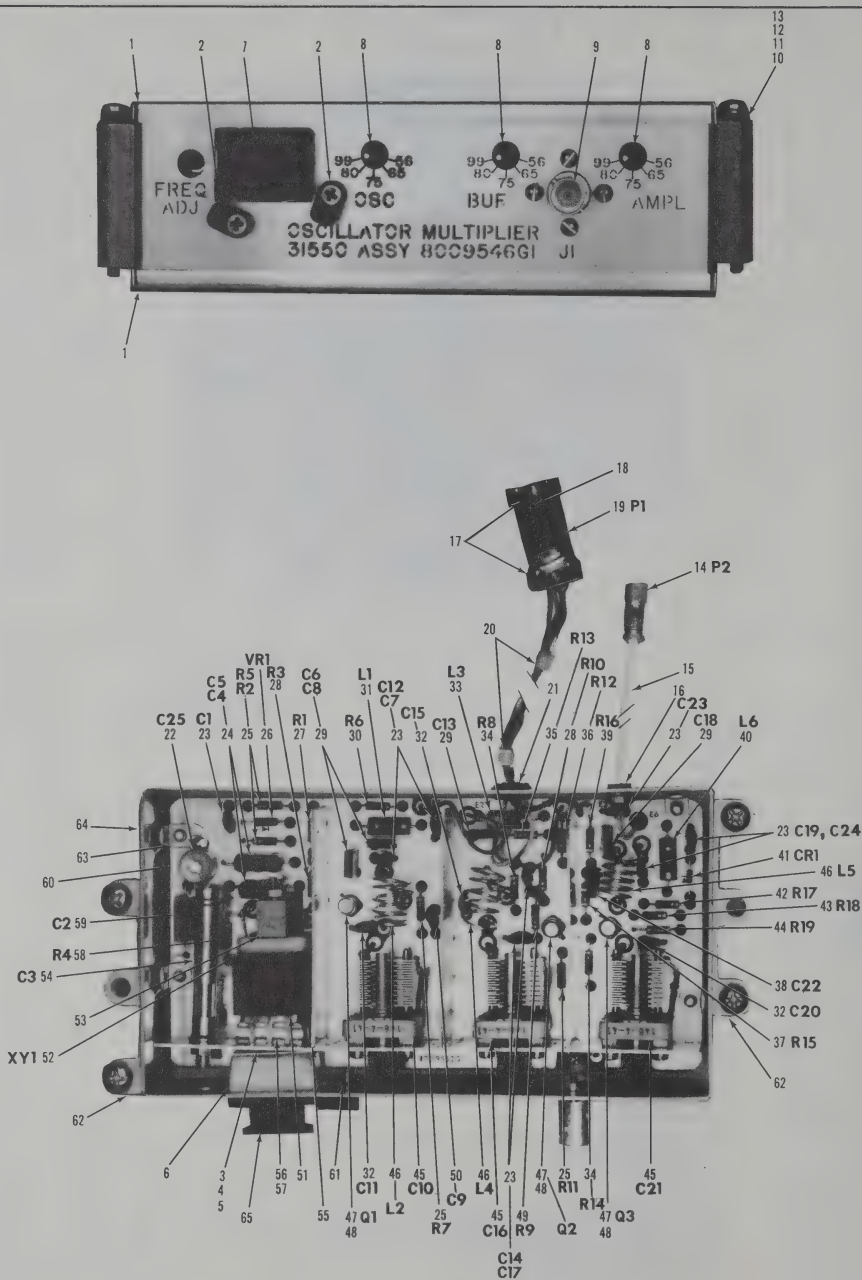


Figure 30. Oscillator/Multiplier, 1A8



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
30 -	8009546G1	A	OSCILLATOR/MULTIPLIER /SEE FIGURE 2 FOR NHA/ OPTIONAL MODULE FOR CRYSTAL CONTROLLED OSCILLATORS 8004290G1, 8004290G2 AND DIGI CHANNEL 8009306G1	REF	
- 1	8004398-1	B	COVER, CHASSIS	2	
- 2	8004400-1	B	RETAINER, CRYSTAL HOLDER	2	
	MS35190-223	B	ATTACHING PARTS SCREW	2	
	8004406G1	B	----- HOLDER, CRYSTAL UNIT	1	
- 3	8004406-4	C	RUBBER STRIP	1	
- 4	8004500-1	C	HOLDER, CRYSTAL	1	
	511333-7	C	ATTACHING PARTS SCREW, BINDER HEAD, NYLON, MOLDED	2	
- 5	8004715-1	C	----- PLATE, BACKING, CRYSTAL HOLDER	1	
- 6	8004498-1	C	PLUG, INSULATION	1	
- 7	8004499-1	C	KNOB, CRYSTAL HOLDER	1	
- 8	504856-3	B	EXTENSION, SHAFT	3	
- 9	8009558-1	B	CONNECTOR, RECEPTACLE	1	
	AN520C3-4	B	ATTACHING PARTS SCREW	4	
	AN935-3	B	WASHER	4	
- 10	MS35206-252	B	----- SCREW	4	
- 11	NAS620-8	B	WASHER	4	
- 12	MS35338-42	B	WASHER	4	
- 13	508874-13	B	PACKING, PREFORMED	4	
- 14	UG1465U	B	CONNECTOR	1	
- 15	RG188AU	B	CABLE	1	AR
- 16	8004961-1	B	SHIELD, RETAINER	1	
	MS25082-12	B	ATTACHING PARTS NUT	1	
	MS35333-39	B	WASHER	1	
- 17	502056-301	B	----- RETAINER, ELECTRICAL CONNECTOR	2	
- 18	502056-401	B	CONTACT, ELECTRICAL	4	
- 19	502056-101	B	CONNECTOR, RECEPTACLE, ELECTRICAL	1	
- 20	MS3367-4-9	B	STRAP	2	
- 21	MS35489-4	B	GROMMET	1	
	8009552G1	B	CIRCUIT CARD ASSEMBLY, OSCILLATOR/MULTIPLIER	1	
	MS51957-13	B	ATTACHING PARTS SCREW	4	
	MS35338-135	B	WASHER	4	
	NAS620C4	B	WASHER	4	
- 22	CV31A180	C	----- CAPACITOR /USED IN EARLY CONFIGURATIONS/	1	
	CV31B250	C	CAPACITOR/USED IN LATER CONFIGURATIONS	1	
- 23	CK60AW102M	C	CAPACITOR /ALTERNATE PART 501240-58/	1	
- 24	CM15CD101J03	C	CAPACITOR	2	
- 25	RCR07G102JS	C	RESISTOR	4	
- 26	JAN1N759A	C	SEMICONDUCTOR DEVICE, DIODE	1	
- 27	RCR07G751JS	C	RESISTOR	1	
- 28	RCR07G473JS	C	RESISTOR	1	
- 29	CK06BX104K	C	CAPACITOR	4	
- 30	RCR07G100JS	C	RESISTOR	2	
- 31	MS75101-9	C	COIL	1	
- 32	CK60BX100K	C	CAPACITOR /ALTERNATE PART 501240-13/	3	
- 33	MS75101-11	C	COIL	1	
- 34	RCR07G101JS	C	RESISTOR	2	
- 35	RCR07G303JS	C	RESISTOR	1	
- 36	RCR07G393JS	C	RESISTOR	1	
- 37	RCR07G390JS	C	RESISTOR	1	
- 38	M39014-02-1218	C	CAPACITOR	1	
- 39	RCR07G821JS	C	RESISTOR	1	
- 40	MS75008-32	C	COIL	1	
- 41	JAN1N4148	C	SEMICONDUCTOR DEVICE, DIODE	1	
- 42	RCR07G121JS	C	RESISTOR	1	
- 43	RCR07G823JS	C	RESISTOR	1	
- 44	RCR07G301JS	C	RESISTOR	1	
- 45	501185-4	C	CAPACITOR, VARIABLE, AIR DIELECTRIC	3	
	8006103-1	C	ATTACHING PARTS SCREW	6	
	MS35338-135	C	WASHER	6	
- 46	8004343-2	C	----- COIL, RF	3	
- 47	515351-1	C	TRANSISTOR, NPN, SILICON, RF, SMALL SIGNAL	3	
- 48	507253-12	C	INSULATOR, STANDOFF, TRANSISTOR	3	
- 49	RCR07G563JS	C	RESISTOR	1	
- 50	CK60BX2R2K	C	CAPACITOR /ALTERNATE PART 501240-1/	1	
- 51	506365-1	C	GUIDE, CRYSTAL	1	
	MS51957-20	C	ATTACHING PARTS SCREW	1	
	MS35338-135	C	WASHER	1	
	MS35649-244	C	NUT	1	
			-----		

FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
30 - 52	512396-1	C	SOCKET, CRYSTAL	1	
- 53	8009557-1	C	BLOCK, CRYSTAL MOUNTING ATTACHING PARTS	1	
	MS51957-14	C	SCREW	2	
	MS35338-135	C	WASHER	2	
	NAS620C4	C	WASHER -----	2	
- 54	PC50H380	C	CAPACITOR	1	
	8009555G1	C	SHIELD, CHASSIS	1	
- 55	8009553-1	D	SHIELD, OSCILLATOR	3	
	DELETED	D	PLATE, MOUNTING	1	
- 56	8004497-1	D	CONTACT, SPRING ATTACHING PARTS	2	
	MS16535-63	D	RIVET -----	4	
- 57	8009554-1	D	PLATE	1	
- 58	RCR07G103JS	C	RESISTOR	1	
- 59	CM15CD330J03	C	CAPACITOR	1	
- 60	8009547-1	C	PRINTED WIRING BOARD	1	
	8009556G1	B	CHASSIS, ELECTRICAL EQUIPMENT	1	
- 61	508566-1	C	NUT, SELF-LOCKING	2	
- 62	8004578G1	C	BRACKET, ANGLE ATTACHING PARTS	2	
	MS16535-133	C	RIVET -----	8	
- 63	8004560-1	C	BRACKET, ANGLE ATTACHING PARTS	4	
	MS16535-64	C	RIVET -----	4	
- 64	8009556-1	C	FRAME, CHASSIS	1	
- 65	503855-1	B	CRYSTAL UNIT /TO COMPLETE PART NUMBER, FREQUENCY MUST BE SPECIFIED IN MHZ TO 8 DIGITS.	REF	
31 -	8009574G1	A	CIRCUIT CARD ASSEMBLY, INBOARD MONITOR/KEYER /OPTIONAL/ /SEE FIGURE 2 FOR NHA/	REF	
- 1	RCR07G681JS	B	RESISTOR	4	
- 2	JAN1N746A	B	SEMICONDUCTOR, DEVICE	5	
- 3	RNC55H1003FM	B	RESISTOR	8	
- 4	RNC55H1213FM	B	RESISTOR	2	
- 5	RNC55H1402FM	B	RESISTOR /VALUE SELECTED TEST/ NOMINAL VALUE	2	
	RNC55H1002F	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H1102FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H1212FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H1302FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H1502FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H1622FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H1742FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H1822FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
- 6	RJR24CP203P	B	RESISTOR	2	
- 7	507432-1	B	INTEGRATED CIRCUIT, QUAD DIFFERENTIAL INPUT OPERATIONAL AMP- LIFIER	2	
- 8	RNC55H6812FM	B	RESISTOR	3	
- 9	RNC55H5111FM	B	RESISTOR /VALUE SELECTED AT TEST/ NOMINAL VALUE	2	
	RNC55H3011FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H4021FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H6041FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
	RNC55H7151FM	B	RESISTOR /VALUE SELECTED AT TEST/	2	
- 10	RCR07G301JS	B	RESISTOR	4	
- 11	RJR24CP103P	B	RESISTOR	4	
- 12	M39014-02-1230	B	CAPACITOR	8	
- 13	RNC55H1501BM	B	RESISTOR	2	
- 14	RCR07G152JS	B	RESISTOR	4	
- 15	RNC55H3322FM	B	RESISTOR	1	
- 16	RNC55H3010FM	B	RESISTOR	1	
- 17	RNC55H1963FM	B	RESISTOR	6	
- 18	JAN1N4148	B	SEMICONDUCTOR DEVICE	5	
- 19	M39003-01-2356	B	CAPACITOR	4	
- 20	RNC55H4022FM	B	RESISTOR	1	

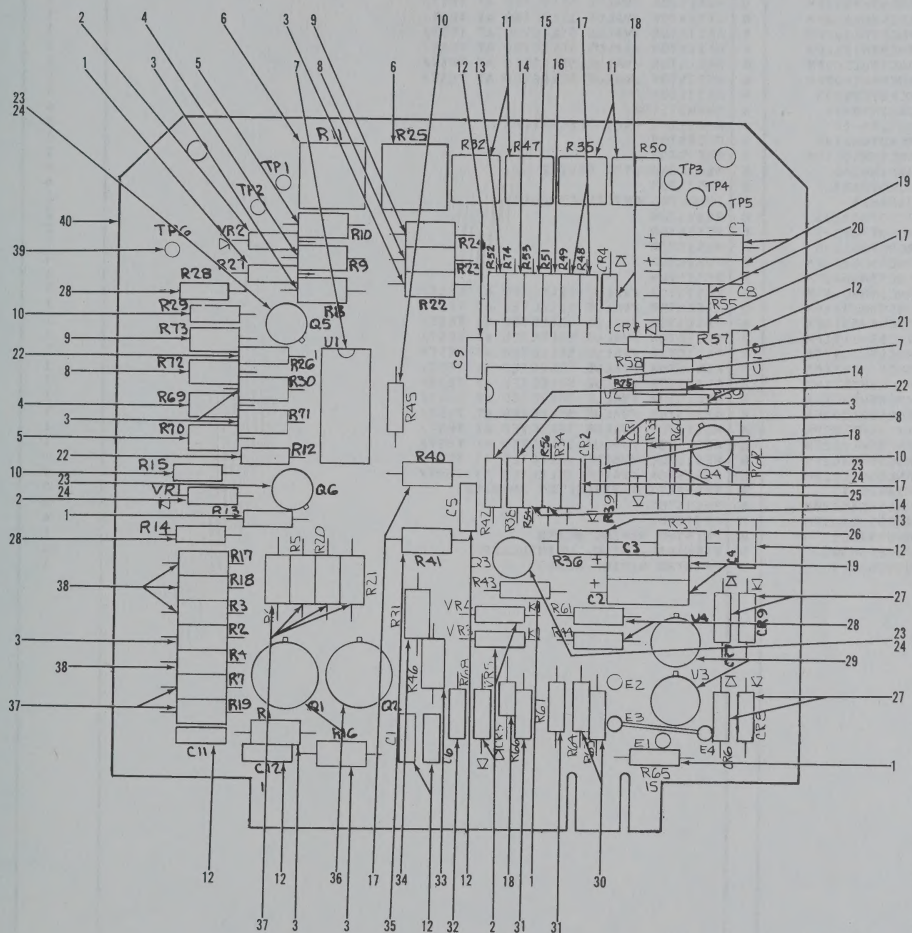


Figure 31. Circuit Card Assembly, Inboard Monitor/Keyer (Optional)



FIGURE AND INDEX NUMBER	PART NUMBER	I N D E X	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
31 - 21	RNC55H1002FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H2001FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H3011FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H4021FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H5111FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H6041FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H7151FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H7871FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H8871FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1002FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1102FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1212FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1302FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1402FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
- 22	RCR07G202JS	B	RESISTOR	4	
- 23	JAN2N2907A	B	TRANSISTOR	4	
- 24	507253-12	B	MOUNTING PAD, ELECTRICAL	4	
- 25	RCR07G621JS	B	RESISTOR	1	
- 26	RNC55H3011FM	B	RESISTOR	1	
- 27	JAN1N4245	B	SEMICONDUCTOR DEVICE	4	
- 28	RCR07G302JS	B	RESISTOR	4	
- 29	JAN4N23	B	COUPLER, OPTOELECTRONIC	2	
- 30	RCR07G332JS	B	RESISTOR	2	
- 31	RCR07G472JS	B	RESISTOR	2	
- 32	RCR07G512JS	B	RESISTOR	1	
- 33	RNC55H4222FM	B	RESISTOR	1	
- 34	RNC55H4642FM	B	RESISTOR	1	
- 35	RNC55H4021FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H2001FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H3011FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H5111FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H6041FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H7151FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H7871FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H8871FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1002FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1102FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1212FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1302FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
	RNC55H1402FM	B	RESISTOR /VALUE SELECTED AT TEST/	1	
- 36	515425-1	B	TRANSISTOR /SELECTED 2N5911/	2	
- 37	RNC55H4992BM	B	RESISTOR	6	
- 38	RNC55H1001FM	B	RESISTOR	4	
	8009575G1	B	PRINTED WIRING BOARD	1	
- 39	514266-302	C	TERMINAL, STUD, UNINSULATED	10	
- 40	8009575-1	C	PRINTED WIRING BOARD	1	





